

SEQUENCE LISTING

<110> Munger, William E.

<120> Identifying Drugs for and Diagnosis of Benign Prostatic Hyperplasia
Using Gene Expression Profiles

<130> 44921-5029-01US

<140> Current Application #

<141> Application Date

<150> 60/223,323

<151> 2000-08-07

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<151> 2001-06-05

<160> 1124

<170> PatentIn Ver. 2.1

<210> 1

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA004699

<400> 1

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<221> unsure

<222> (1)..(426)

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<400> 2

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tgtgaa                                     426
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<210> 3

<211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA005382

<400> 3
 cagagagtct tctaaatttt atttagaata aaaccagcat ggtagaaata catcagtgat 60
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 atatgtgctc tgctttactt acacccaact ctaacctgcg agcatattag gaaaaaagaa 180
 gcaagtgcac ccaataaaaat tatttgtaac ttaatttgta tgaggcgagg caaggttgct 240
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 accacattca tgacctccag agactatagc gtgggaagac acctttacag atcaaggggc 360
 cccctggagt cacccttaca ggaatccttc tggcctttgg aatcctcctg gcacagacca 420
 tgtctttggt gat 433

<210> 4
 <211> 287
 <212> DNA
 <213> Homo sapiens

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<400> 4
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 ctacactatt atttaaaaaa aaaactcaca aaaagaaaaa tggtatcact acaagtagga 180
 attagaagag agaaatcctg gcagtcctgtc tagagggttaa aacatttcat gcatttgtga 240
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<210> 5
 <211> 479
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
 <221> unsure
 <222> (1)..(479)
 <223> n = a or c or g or t

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 agggcacata gagataagat gcttactata atgtagcaaa ttatttttaa atttactctg 120
 ggatatattg ctttgataat tataaagcta tttttttcat tttaaaagta gctaagtttt 180
 caacatttca aaaacttttt ccagatcttc tgtatacttt tctgtaggca tcctagttaa 240
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 tgggcctctt agaagcagcc tcttgagntg tgtagcctcc tgcagccata cagtcccgtc 360
 ctggtcgccc gtctcagcc cggctctgag cagcctgtgg gaatggtggc gacgggacag 420
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<210> 6
 <211> 468
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 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA009755

<220>
 <221> unsure
 <222> (1)..(468)
 <223> n = a or c or g or t

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 agtatgaaac tgattttttt ctttcctaga tacaaaaatg atatggggca tttcttaaca 120
 gtttagtaat cgtctaagaa taattgtaga aataacccca attccaccat cccagccact 180
 ggtataaaac aaataccttc catgaaactg tctttcacat aactaaaata tcctcactta 240
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 tactggagct gagattttctg aaacaatatc tgaatcttag cagagagata ataatccttt 360
 cactatacat tgcttgggct tccttaacca aatctgagta actactggta ataataatgc 420
 tgggtggtagt ccatgatact ctcaaatttt tccctttaag aaatatan 468

<210> 7
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA010358

<400> 7
 ccatttttgaa caacttttat tatacgttta gtgtttctta taaaaagaa atcagttttt 60
 ttacagtgat tcaaaaaaaaa ttcagaataa tttggccttt tcattgctca tgcagtcagt 120
 ttataagtc atgtattaga cggccctcca tggcccagaa gtcttccttg ctgaaggctg 180
 tgtgtgacac cctcagatac gcatctgtca ctgacaaagt tggttaatg 229

<210> 8
 <211> 163
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA017063

<220>
 <221> unsure
 <222> (1)..(163)
 <223> n = a or c or g or t

<400> 8
 cgcangatga ncacttccgc gggggatgct cccggttgct ctgcggaggg caggccgact 60
 cagggcgggg tttggtcctg aaaaaatggg gtggggcggt tacctcttac cgcttgggac 120
 cttgggacct cttnttgacc ccaggaagag attagaagcc ctt 163

<210> 9
 <211> 127
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA017547

<400> 9
 cagattttaa ccgtctttat ttctacagca acatcttgaa aatagagagc agccgcctca 60
 cccgcaacag ggggagcccc tcctgccacc aggggaccgt cgccgcccct cgcgagaagc 120
 tgcaggc 127

<210> 10

<211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA018414

<220>
 <221> unsure
 <222> (1)..(430)
 <223> n = a or c or g or t

<400> 10
 aaacaagata gtttatttct cttcatgtaa aaatttgaat gacaatttag tgaaggtgac 60
 aagggccac gcttctgcta aggtccaggc attcctagag tggatatga tagatcatat 120
 ggtataagat agatcncctt ccatagccac agagtatcca gttattaata caaacaaatg 180
 agaagaggaa ggggagagca agtctttctt tgtttttaga gcacaatcca gaagttgaat 240
 tcctatctta gtcacattaa attggctaga gtatcgttac gtagtcagac ctagagttgc 300
 aaaggagact gaaaaaatgc agtttaatct gaacagccat gtgtccagggt aaaaattctg 360
 ttattnaggg aagaaagaga gaatgaatat tgggaaacac tttcaagnct cccacaccaa 420
 agtactacct 430

<210> 11
 <211> 196
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA019034

<400> 11
 tatcttttaca aatgacagaa tatttattaa caataccttt aaaaaagatt acatatgcta 60
 gatcactggg aaatatcatt tacactgggg ttgggaactc cctgggtgtc attttttttc 120
 gttcatttta ttattttgtc gatttttttt ttgcatgtga ttttaaattt tattttcaaca 180
 tagaagtaac catatc 196

<210> 12
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA019433

<220>
 <221> unsure
 <222> (1)..(482)
 <223> n = a or c or g or t

<400> 12
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 cttttttttt ttttttttaa gtaaaagaaa atttattatg aaactaaagg aataaaagaa 120
 tgaccactcc ataggcagag aaacgtcact ttaagggttt gacatcaatt gatttttgtc 180
 caaatcaata attactgcaa tgattgaaaa atgattatta ctaagtttgt tttcattgtc 240
 tcaagggtctg ctgaactctg gatccaggct gtgtcaacag ggtagtgtgg tgccctctgt 300
 acctgtcttg gcctcctaca gtccttttta cttattttgt tttttagaat tagagacagg 360
 gtcttactat gttgtcaga ctgggnattca aactcctagg ctcaagcaat cttccagcct 420
 cagcctccta aaagtgtctg ggattacagg catgagccac canaccggg ccaagttctt 480
 tt 482

<210> 13
 <211> 373

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA022615

<400> 13

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ggtgtttctc tcttttattt aaaaacagtg cttcattacc atgtgcaaag gctgaggcag 60
tgctcctcct tcgcttagag tttataaaaag ccagcaacat gatcaataat ttatacacat 120
ggagagtaat acaaaaaaat aaggaataaa agctaaagat ctaactactc cgaccttcac 180
aattccagct acttgataat aataggagta acccaatgaa tactgtatgg tctgaaagct 240
actatacaat atgattctta acgagaaggg aagggaatta gagactgtca caaagccctg 300
ggatgcttct ctggagttag cagggaaaca ggaccctggg caagcagctc ggggtgtccta 360
ggaagtgatt ctg                                     373
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<210> 14

<211> 245

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA022886

<220>

<221> unsure

<222> (1)..(245)

<223> n = a or c or g or t

<400> 14

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aagagtgcac gccgggtaaa ttcaggggtgg cttttttctc aggggtctgga agtgtgagag 120
tttctggggc agactttttc cggggccgat ctttggggaaac ggacagaaat tcgggtgcgt 180
ctgtggagag aggggtggat ggagcactag aaggcgcact gcggacngaa aaaaggcccc 240
ccccg                                     245
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<210> 15

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA025370

<400> 15

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ggatggaata caatttccaa tagtgtctag gccgacaccc ctccaccctc ctttgccctgt 60
cattcaagtc aataccctgg agaaaagagg ctgtggggga ggccatgttc gattaggagg 120
tttaagagtc catcaaagtg tcatatgtgt taggtgtgaa atggcgacac tgggaattac 180
tgttaataag ggggtggctgc agcacggtga ttgttatgag aacatcccca ccgccccact 240
tttgtttgaa gactttcgtc ctgaactaca tgttgtttac tttcaacaac gtatacacta 300
cagttgacaa aagttaatct cggtgataag aatatgc                                     337
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<210> 16

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA026641

<220>

<221> unsure

<222> (1)..(411)

<223> n = a or c or g or t

<400> 16

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aanctgctg tgtgccaaagc ctttcccaaa aggaggatat cagtgnnnna gnaagtctca 120
gggtggaaag gacctggacc acacagagca ggactccaga gcctcctcca tatggcagga 180
atcaagcttt cacaggggaa acgcaggatt tcccacacat gcccatgcaa cacttcaagt 240
cacgcttgca ctggccatcc atctcacaga aattgggggg gttnagcatc naacattggc 300
canaantcac tnggnacttn ccaaggggttn cnccttggtg ggnttngggg ggttnacagg 360
ggncgggca ntnatgenc caagtttcng ggcaaanatt tcttttttcc c 411
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<211> 471

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA028092

<400> 17

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atctttaagt gaattacttt ataaatgtga ctgtcaaagt cagctatcct atgatctaca 120
ttttacaaca tattgtacaa aagatacatt gataggctct tatctattta tatatttata 180
attacatatt gcacttgga cagcaaggct tgcagagtca ttcacggtag aagttaataa 240
agttaaatag atgggaatct ttgtaagtac aattgatctc ctctgggttg gaaacgaatc 300
tcctcgctcg tgtaaagtgt tctcgcgggg tgggacagag agaggagcat tgcgaggggg 360
aagcagagac agagagcact gagggcaggg gtcgccttcc cggggcccgc tccccccggg 420
aggcggcctt tcccagactc gcacctccaa ggtcaggacg cgggtggttcc a 471
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<210> 18

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA029356

<220>

<221> unsure

<222> (1) .. (422)

<223> n = a or c or g or t

<400> 18

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aatggtgcta tcttaaacac caaatatcaa ctgcagttca ctttttccgt gtgggggacta 120
atatcaagat ttcatatgaa ttatagtata atccagaagt atgaaaaaat acatcatatt 180
taacttataa agcattcatc tgcattgttat aagatattac agtaaataca attagggtact 240
taccatttta tctttacttt aaaaacaatg cctnttccaa aatataaaaa aaagacctat 300
ttttaaagan ctattttaag atngcttttg aaaacaacac ttttatntta cnacaaatag 360
atggtagtgg caacagcact cgtggatgtt tacngtaaa taaaaatacc tagtattccg 420
gg 422
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<210> 19

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA029597

<400> 19

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acagaatttt cactaaggac tgctcgacgc aacagctgtg agtacattgg tccaaccatt 120
aataaatagt cttaaataag aaaacaaaCA ggttgaagga aagcaagctc atcgtcctga 180
acgaggggatt aaagggggggg ggtgttcaaa agagctttgg atggaaataa ataatctctt 240
tgctttgtaa cac 253
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<211> 186
<212> DNA
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA031360
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<220>
<221> unsure
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<223> n = a or c or g or t
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aaaaattttt ataaaaatttt attttatctt atactcaagt tcagacaata gcatgtgggtg 60
tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120
atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc nagcctttag 180
ggtnc 186
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<210> 21
<211> 206
<212> DNA
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA036900
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<220>
<221> unsure
<222> (1)..(206)
<223> n = a or c or g or t
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<400> 21
ctttgctacc ttctgcttgt tgagttgttt tggcattcat attaaaagcc agcatctcac 60
tatttattga caggttgggc tgtgtgtgtg cgcattgtgt tatacatttc caggcgtgcc 120
tgtgtcctgt agctttttta aaggaaaccc agtcatccca ctatgaatct ggcatcttct 180
tatgttctta gtgttttggc canaca 206
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<210> 22
<211> 456
<212> DNA
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA037828
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<400> 22
tttataatta gaaacacttt aattcctagc cacttggcag cacttaaata tcagagccat 60
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agggtagctg acaagggtcca ttcaagggga tgagga 456
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<210> 23
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<211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA039935

<220>
 <221> unsure
 <222> (1)..(494)
 <223> n = a or c or g or t

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 gtaaaatacg attcaccctt ctacgaaaac ccttttccca cactcgaaan gaanatagaa 120
 aacccagcag agagcagtac aantcagcat gcgggtcccng atagctgaag tctcgggcng 180
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 agccccttgn gtctcaantn tacgggtcca aggaggggac gggaaaggct gcttggtccc 360
 caccaaggct tggggggctg ggggggcctg ctggcccagt gaagatgcag tgggtctgttc 420
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 ggagagaagc tgcn 494

<210> 24
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA040433

<220>
 <221> unsure
 <222> (1)..(421)
 <223> n = a or c or g or t

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 tatctgcaac tgtaggtct ttgttatgtc ttggtcactt tgtctggact ggccgtgacc 120
 ttcagctcca gggctctgggc taggaagacg ttccagtgcac ctctgtgggg gccagcgagc 180
 agtcggaagt gctgtgcctc tttctggaag tcttgcttcc tgactttctt gatctgagtc 240
 aagtggaaga ttctggctgt gtggccttgg cagggtactt cacctctctg agcctcagtt 300
 tcctcatctt ttaccagctt ccagaggtag atctccacca agtccgagge ctngtgttc 360
 ccaggggcaa agcgacgnag gttngtctng ggctttgggg gataccggat gttttggacg 420
 a 421

<210> 25
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA040731

<220>
 <221> unsure
 <222> (1)..(486)
 <223> n = a or c or g or t

<400> 25
 ttccaagaag aacatttttc tgtttattct tagaatgtga attttttttt tcaactcagg 60
 gccaaagtaca aacttttgat ttttgaaatt ttttcaactc agggccaagt acaatctttt 120

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gatttaaaaa ttttttttca tgaacaaacc atcagtagtt attaaggagc ccaagaaata 180
ggagatgtga aagcaggatt tctttgtgtt tcctttgaat gttgttattt tgagtattat 240
cattatcagg tagaggaaga aaggtaggct gggaagtagg tccttatgat atcttgacta 300
tggatcccag atttacattt cacctngtca cagagcacac ataatttaag ataaacatgt 360
caagaatgac ataaaccaga ggtaaaccac aaggagcttt acatttgga cngaaaaata 420
aaaattagaa aaattattac cccatattaa taaccaaaaa attacttaaa ctctaggnc 480
cccngg
486

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```

<210> 26
<211> 467
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA043196

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<220>
<221> unsure
<222> (1)..(467)
<223> n = a or c or g or t

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<400> 26
cagagaaaga aaaattacct attacctatt ggcacatttc tgttacgtca agtctgggct 60
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tctttctaata ccccatatcat catgtctttg aaatgacaaa agtcccatcc tttgttgccc 180
gtgcagtaata ctgcttgtgg aactctttta gaacatccag ctggccaggc ctgatgtgga 240
tgtatgaccg gatcttggcg atggctctta cagcctcctc tggactccat ttgtgcacct 300
gaatcaggta tgctgccacc atagtggact cctggagcgc ccagccttac aatgcacgta 360
aacacactgg cccagcgact ggtacttgag agcaaattgg actccctttc tggagggttg 420
ccaagggtgg gggaatccca gtcattggtc acngtgccct cggtgcc
467

```

```

<210> 27
<211> 546
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA043349

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<400> 27
cttttatgca gagtttgatt atgctttatt tttaaaaatc acattcttcc ccattcccag 60
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aacattgctg taaatttcat tttttttttt ttactaata aaacagatgc ttctttctca 180
gagatgggtt ttcactttca acatgcgtca tagcatctga tttcttgagc catcttgga 240
aatggagtct ttcctaattg cattgaatgt ggtcaaagct atctacaaag cagagacagt 300
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cggggtctga tgagactgtg gaaaccatgt ggtactgtag ggagagcaca ggtttggatg 420
ccagacaaat atctaaatct aaccctaata cactgcttat aagcttagtg attgttgcac 480
aagttgttta gcttctctga gcttagatac ctactgtaa aatgggaata atacctctt 540
ttagtg
546

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<210> 28
<211> 353
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA043777

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<220>
<221> unsure
<222> (1)..(353)

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<223> n = a or c or g or t

<400> 28

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gaagttataa aagcttggtt ttctttatta gaatactttt ttcaattctg atttgtcaca 60
atttagattc tttttctaag aataagcaga aatttacaaa atttaatttt tatttatata 120
ttcatccgtt caatacacat ttcaagaaag ctgtattgna ccccttnnag tnggtaagtt 180
ccagggccaa agaaccacaaa taaatccaag gagagagacc aacaaatgta tatttataac 240
acagagtaat aaaacacaaa taaatgtgga gttattttaag catgtaagat ggtacatgct 300
ctaccaaggt atggggggctt ctctaagaca caagatcaga ttaaagtctt gaa 353
```

<210> 29

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA044219

<220>

<221> unsure

<222> (1)..(382)

<223> n = a or c or g or t

<400> 29

```
ttgcggggaa tcaggtaggg gcctttattg gccagcacac atctacctcc tggcatctgt 60
cacaagcatt tgcaggagta ggcgggccct tcctctccat gtcccatcc ccaacctgag 120
atgcgggagg gcctgggggc tcagaggaa gaactgaggc aagaagcccc ggtgatccag 180
tcagaggatt gggcagcctg acctcggggt ggggagccag cactngacaa caaggaggga 240
ggggcacagg agggctcccc gaggtttggt ccgggagggg gaggaaaact gccccctgcn 300
ctgtcaatct ctgcaatgtg ccgagcccca gctccttgan tccctcagtg cctttggggc 360
tggatgctca ganagcagtt ga 382
```

<210> 30

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA045481

<220>

<221> unsure

<222> (1)..(428)

<223> n = a or c or g or t

<400> 30

```
tttttttcag taatacagat gtctatttta ttaaaaaagt tacaacacag tggactgcag 60
ggtcgtctta caaaatgaca agaatgaaat ctatttgaaa aattttactt ttacaaatct 120
ttataggtaa ttgttcaatg tttgtacttg ttatttgaga ttttaccttt cactgataaa 180
gttacagtac attagatcca tgataatagg ttacattatt ttatttgcag agccctactg 240
cagtgatttg aacaactcct aaatagatgc cataataaag acaagacata tattgcattt 300
aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagct aaaataactt 360
ttggtccctt ttcttaaaat gtgctggaga aaccaccctt aaaatcactt tccccggat 420
tccngcga 428
```

<210> 31

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA045487

<400> 31
 ggaaagcatt ttcaaacttt atttacaact gtcacagtga caaaaagtag tttggaaaaa 60
 aaaaaatgct agttttctccc tgagcctcaa aaaagaacag atagaagtta caggaggttc 120
 atctcacaac aggcattttt actgaaatac taggaatttt ttcaatacaa tcagtttagaa 180
 atacacacaa attacttgaa aaaaaaaaaa agaggaggcc agataggagc tcagccactt 240
 gtccaagagc agctgggtcc ccccagcagg ctccaccgct gaggggtcctg acattagctg 300
 tcagcccctg gcctgctcag actggcaa 328

<210> 32
 <211> 402
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA045503

<400> 32
 ctgtgagact gtccttttatt gtgtatacag gttccagcgt cagggctctc ccacggcccc 60
 ctccccagtc ctcccccaag ggcccagagt ggtgggagtg agagggccacc ctaaggcaca 120
 ctgaccagag aggcattggag ggaggaggct gacttgccct ggggaccctt gctaactgag 180
 acccaccctt cccctccacc ctgcttctgt atgtgggaga cgaaaccaag agtcactggg 240
 ggcagcaggc atttcccagg gttaaggctg atggaaggtc cctatcccag atgggagatg 300
 ggggcttttc ctatgactcc ccccatcccc cagctggaag acgtggggag ggggtgcatag 360
 ccttagagag gtagaatgag gggaaatact cctcagtgcc ca 402

<210> 33
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA045825

<220>
 <221> unsure
 <222> (1)..(437)
 <223> n = a or c or g or t

<400> 33
 cagtgtagac cgtcttttatt ggcaggtgtt aagagtgcaa aatatcaaca aaccagggg 60
 aatacgcaag ggggtgggag tatggctccc ctaccccatg tgagagccct gtaaccaagc 120
 cagtggggtg ggaacgttga cttgactgtg gcaaattcag gctcagcacc ttccaaagaa 180
 caagctccca ggcaggaggg ctccctgcaa cacaaggggg aaaggagtgg caccctggaa 240
 gggcctgggc tgcgaccac cctgggctgc ttggctcctg tatactgcc acctcaacc 300
 ctcaagagga aggccttcaca gctgggggta tgtagtgcag agaaccggg ctaaaccag 360
 ccctcccaa acccagggtta tctgcctcgg gcctcagttt ccctcctccc agtgattacc 420
 caagttgggc ccatcag 437

<210> 34
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA045870

<220>
 <221> unsure
 <222> (1)..(397)
 <223> n = a or c or g or t

<400> 34
 gtttagagtc taaaactaaa acctaatacat ttngtcacag tgtaaaaaaca aatggaaata 60
 acagctcaaa tcttcaaaat attactatag cattatgttt aaaataatct acaacaaaaa 120
 tgtaccattt tcaagcagta ctacattagg agccctttta tagaaaaataa tttcttcttt 180
 acccccgttc cagtgtgaat ctagtattct gttaacattt gtgtggcatt tggagtttgt 240
 catccccatt gaaggagag ccttctcaga catgaagcaa gggaaacata ctgaatagtt 300
 ttacacaaat ttgatctggc ttccatttgn cccctcatt tcccaaatgt ttaaantgta 360
 ttnggatttg ggattctcaa atggtataag ttggcct 397

<210> 35
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA046426

<220>
 <221> unsure
 <222> (1)..(564)
 <223> n = a or c or g or t

<400> 35
 ttttttnttt tttcacttta tcatttactt tttatttgtt tgcttgaagt acctatgtaa 60
 tgcaagtatg tactgtacta aaatacctat atttccaaat aacatatgtg gtgtagccca 120
 cagtctctgc agaagcatca tgagtaacct gtgcctttac actttacaat ccgttattgg 180
 ttgctgttaa aagtatgata acagatgaag aaaaaaaaac taagtatgaa tacacttttc 240
 caaacacgca catacacagc ttacaatgga atcccaatgg aaataagtga caacatctga 300
 tgtagaatct ataaaatgta gactctgcaa taaaaagcca aaggacgtaa aaatatattt 360
 taactttaaa aataacttag ttacagtaat actttgacct tgtcttacca acatgtagct 420
 gacagtcaaa attttgcaat atagatataa tatataggga tatataagaa ctacaagaaa 480
 atccccaaaa ccataaaagt tcaaagtgtg aacagaaaag tttaacctgg agattcgcta 540
 tgggtgancta gccatatttg gaag 564

<210> 36
 <211> 560
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA046840

<220>
 <221> unsure
 <222> (1)..(560)
 <223> n = a or c or g or t

<400> 36
 tacaaatact gtaaaaatta atataaaaaa gtgagcatgc tcagtctttt cctcttatct 60
 acaatacaaa gggtttgtct gaaaagtctg gttttttttc tttttacaaa tgtaccttag 120
 ctgcatcaac aggagtaaga tgtagaaaaa gctaccatta caaaaaataa ttaagggaaa 180
 ataaacacgt ttagcttctc tcgcagttta gtggtggtaa gtccaggctg tagcttcttt 240
 gcgctcctat gtcccaagaa actgcagcgg gcaccggcg gctctggctg cgcagggcag 300
 ggcgcgctcc gctccgggccc gtcgggtctg aggtatgggt cgttgctgag tctctccgc 360
 cccggccgcg cgttaccggc agtctgctgt cccggcggcc ggcagaaggc cgggctgggc 420
 agctgcttga agaactgccg gagggccagg tcccgctga ntgctccacg cgctggtgca 480
 gttctcgttt cagcgacagc tcacaacttt gtgcantcct ggttgcgccg cttggcttgt 540
 ggggtttgcn acgggatgtt 560

<210> 37
 <211> 464
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA047151

<220>

<221> unsure

<222> (1)..(464)

<223> n = a or c or g or t

<400> 37

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agaaaaacca ccatcgtgtc acgtcgacga tgccaaatta tgttagcgtg acaganaaca 60
ccgtggggga ggaaggcagc agctgaagaa aaaagctcaa atgatctagt cactttcgat 120
actgtacttc agatgcgaaa tggatattcn gagtggaaac ctgacaaagt gcgcctgctt 180
tgatgtgaac tggtagac aatgaccagt ggctgggtca gtgggatgtc tctctgtgag 240
cacaaaggct tatcaaatga cactaaagat aagttcaaca accatcacat tgggaaggag 300
aaaggccgaa catttcatgt ttggccgggc atgtgagtgc acaagatgga aagagcgatt 360
ggagcatcct ggtataatta cccccattgt gctcttaatg gaaatttcaa aggacgggag 420
tattctgttg gttggtgtcc aggtttgtgg cactgttcca agag 464
```

<210> 38

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA047880

<400> 38

```
tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag 60
cttatcacia actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc 120
aggtgcctgc tgccacctct ccaagcaggc cagagtcag tagagaatgc gattcaggaa 180
gatggctcct cagagggcag ggaggttagc tacggaggcc gctcacgtgg aaatgtccag 240
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtggggggtg 300
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa 360
ggtgacctct tttccctaa tcttctttca acccagagag tttaagtctt ctc 413
```

<210> 39

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053267

<400> 39

```
ttttttttct cactgcaaaa caacttttta tttaaaaggc caataatgag aataatgagt 60
tgcacaagaa tgaaaacctt atcccttcca aaagatcggc ctatacatta tgtataaagt 120
tagaataatt ctaaatacaa aatgccaaag accagcgggt ccaactcctc ctctcctaag 180
ccatcttgac agtttcacat ttcagcttcc agacgtcatt tctgttgctt ttaaggggtg 240
ttaccagacc gtggtctgta ccagacaggg tagttggcac agcgtaggca ctgccagcag 300
gcccttgga gcttgg 316
```

<210> 40

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053424

<220>

<221> unsure
 <222> (1)..(431)
 <223> n = a or c or g or t

<400> 40
 tttgagcttt cagatttgct tttattggta gggaaattcc agagtgggga gccacccagg 60
 aggagacagg ggtgccgagg cttctgggag tctggaagct cccggatgga gaggcttaca 120
 gccccagcct tccccagcag gaggcacagg aggggactgg ccaagtctgt cagctcagag 180
 caggaccggc ttcagggcct gacttcggtc tcctcttgac ccgccccgga ggcttgtggt 240
 gggctctgtg tttgcagctc tcctgaacag agctagatga ggggtgggagg cccccgttgg 300
 ctcacacagt ggatgctacc atctccggcc tcttgatgt ggagctctgt gccagagtca 360
 acagtctcca ggggtgggccc gaagtgtgtg taggcgntct caaggccgaa atctgctctt 420
 cctcagattc t 431

<210> 41
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA053883

<400> 41
 ttttttcaga gattatgaaa atttttattaa taaagaaaat ctgcattaca catatcccct 60
 ttaaaaaaaa ccacctcaaa catgtagaaa tgctttattt tgtattttgt atttgatcaa 120
 tgccagaaaa atgaaaccac aacaccaaag tacagaccag tatttttgaa ggggataata 180
 atcatttgag ataataaact actagaaaat cagaagaaat gattcaagggt attcatttca 240
 aaggctaaac cactaattct tcattccaaa gaatgtttcc actgtgagtc aata 294

<210> 42
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA054222

<220>
 <221> unsure
 <222> (1)..(426)
 <223> n = a or c or g or t

<400> 42
 aaacattgggt tacttttatat atgactttct tctggtagt gcaaaactaaa ctttttaggt 60
 taatctcctg ctaagaaaca taaaaactca acatatgcta gaaggcactg aagagctaac 120
 aagatagatt aaggagacac tagtccagca tttagtgtg atctaaatgt cagaagtggc 180
 tgtgactcta aacagagctt ttgacatgct acagcagagg acggcaaact atagcccgtg 240
 tggcaaatct agccttgac atattttgta aatacagggt cactggaata catttatctc 300
 attaatttat tgtttattgc tgcttttgca gaacaatngg cagagttgat tggtgagaca 360
 gagattgggc ctacaaagac taaaatattt attctctagt cctttacaga aaaagtctgc 420
 catcac 426

<210> 43
 <211> 251
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA055081

<400> 43
 ctattatgat atgtttattt aaagttcaaa aactggccga actaaaatct acttgatttg 60

```

gaacacacct gaatgtgatg aaagtataca gaaaagcaag aaagttatatt aaataaaaagt 120
caagatgggtg gttacctctt aggtgggggc tataatgaga aaggaaggac aagatagaga 180
aggttctttac tgtcagtggt ccatttcttg atttggtgga tacaagtgtg tttataatta 240
ttctttaaac c 251

```

<210> 44
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA055163

```

<400> 44
tttttcaaaa tatgagttta atgacagaat tagtttagcta gtattccaca aaaagtattg 60
ctctatttttc aaaaaatttg cacagtgtct tacacatgtg ctaaaagatt gagaaaaataa 120
attagaaaaat tatactgcac acttaacact aaatctacca agcacaatgt aacttttaga 180
cagctcagaa ggcacttttg gatttttttt tttttcagtg cctcagggat cagtatgaac 240
tccaattattt gttgccctgg ccaattgtgg gagtactgat aactggagag ttaattgact 300
gctggataaaa gcaatctttta atctaaatgg ggaaggctca ctagcagcta cagaggaagg 360
gggtattcag atcccagctt aaggctagga agccagctga cccaatcaga gacatgaacc 420
catcagaaaa atgtaaaagt tttcatcttt c 451

```

<210> 45
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA055768

```

<400> 45
tttttttttt tctgttcaaa aaaggtttta tccaaaaaag ttaatcaaga caagcaacag 60
atactgcaaa gcattatata cagcaccata gtccaggggc caaagaaatc aggaggggct 120
gggcagtaga ggaattccat atattaatga atgtgagatt aagtatagag tgaagacatt 180
aacacacaat ttctaatttc tgtaggcag aatgctcccc taccctgatg ccacagcctt 240
tcacgttttc taaaccctag taacctctga tctccatctg cctcatcaac acgtcaccac 300
cctttgctct tcttccaatt tagtcacatg ttgggctgaa tttattttcca ctcc 354

```

<210> 46
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA056121

<220>
 <221> unsure
 <222> (1)..(610)
 <223> n = a or c or g or t

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<400> 46
ctccccctcc ctgctccaag ccggagggtt cctgaggtga cagcgctgc aactgaaatt 60
tcagcagcgg gagaagatgg acaagagaaa gctcgggcga cggccatctt catccgataa 120
gaaagatgtt aaatgcaaaa ccagaggatg tccatgttca atcaccactg tccaaattca 180
gaagctcaga acgctggact ctccctttgc agtgggaaag aagcctaagg aataaagtca 240
tctctctaga ccataaaaaat aaaaaacata tccgagggtg tcctgttact tccaagtcac 300
caccagaaaag gcaactcaaa gttatgttga cgaatgtcct atggacggat ttaggacgaa 360
aattcagaaa gaccctacct agaaacgatg ctaatttatg tgatgccaac aaggtgcaat 420
cagactcatt gccttcgaca tctgttgaca gcctagagac atgtcaaaaa ttagaacctc 480
ttcgccaaag ccttaattta tctgaaagga tnccagagtt atattgacga atgtctggga 540

```

acggggttagg aagaaatcct aaggnccac ctgtactgag ggaattggtg ttcagcaant 600
gcatcaggga 610

<210> 47
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA057195

<220>
<221> unsure
<222> (1)..(404)
<223> n = a or c or g or t

<400> 47
agaaaaacca agtgtcttta ttccctcgatc gtttagtatg gcggtgggog gcgcgcgcgg 60
gggagcctgg agcccaggga atcgacctgg agggccagtn gngggancgg aggggtgcgag 120
gntcggctcc tccgcagccg gccctggagg ggttcttggg ggatcgcgcc aggccaaaag 180
tctgcatggg cggccccgag cctccctgag ccggcgcgcc ccgggnttng ggagaggccn 240
ctctgnncgc ggtgccgntg cgggcccggg tgcggcgctc gcccaggggc taagggtgcc 300
cgtctcaggc gagacccag gagcccgccg ccccgctgt ctcttcagcc gacgtagaca 360
cgtngggccg ggaacccag tcttaacgcg tgttcaagct ctgg 404

<210> 48
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA057829

<220>
<221> unsure
<222> (1)..(491)
<223> n = a or c or g or t

<400> 48
cacggccagc ctctcctgca gctgcgcgtn gctcacctcg ctctggcccc tgggtgccgtc 60
cacctccagg gtggcctcac cgtccctcag cgagacggtg accacgtgct cttggccgtc 120
gcagacttga tctccattag ggccaaggcg tatgctccac ggccaggacc accagctgct 180
tcttgagttt cttcgtggag tgatagtcta ccagtgccac agagagaggc acggcacgga 240
ggtcgggggc ccagangcgc aaacaagcac gcctgtgtct gcggctgggc ggattgtgaa 300
gccacgactt ctacttccca ggttgattca gtcccagcgt ccagaagggg tccgcatgta 360
gtccaggctg tagaaggcga agcttncccc ggggttagaa agaagcctct ctccgtcacc 420
gagaagcact gcacctcgt gttnatttca ccgttttccg ggatggtggt gtcttctccg 480
ttcagccagt t 491

<210> 49
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA065173

<220>
<221> unsure
<222> (1)..(333)
<223> n = a or c or g or t

<400> 49
 ntttttcatg aagaccagtt tatttttacat gcttgctttc acattcttta ctgggaattt 60
 aaggcctttt ttcagcctta acttgtatac caacctcaag gatattgttt gatacagaaa 120
 aggatagggc tgggccttct gccaaaggact gataacctgc ctggccaaaag gaagagggaa 180
 tgaaagcctt ttgtccttct aggcccctta cagtacctca aaatctaaag gccttaaagg 240
 ggaaaaaac cgtatctggt ctttctcctt atctcctacc cttctcttta agcatattga 300
 agatggactt ttttccaaat gtttatttgg agg 333

<210> 50
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA069913

<400> 50
 ttttcatgtc agttattatt actttattac attttgggtc tcttactact ttcaatacag 60
 tacattgtct tttgaatggt acataataca aaagggtattg gacggtttta aaaataaact 120
 ttaactaccc attgatacat acttgatgac acaagttctt ccatatacaa tgcaaagcat 180
 acaaaaaata cattaggaat tctactttgt acagtctgtc attaaatagt atttacacat 240
 acattttcag gttcctctga gtatcttgat aaccccttgg gaagatgggtg gtttaagtctg 300
 tccttacaaa cttaaatttg taagtcttac atctgaaata aaagagctca ggtaaaactta 360
 gaactgaccg agcctgagct agggaggaca agggagggtgt gggggaagca gcctggggca 420
 tggcacatgg gtgaaggggc gtcgcacctc cacataggcc tacagtaccg g 471

<210> 51
 <211> 436
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA070752

<220>
 <221> unsure
 <222> (1)..(436)
 <223> n = a or c or g or t

<400> 51
 acgtgcagtt cagtcaatga aatcctgagg attggataaa gtaaacaac tgaaatggat 60
 gcatcgtaac atctactgat gaggaagata tgaggctcta gttgtgaatc atgaaatatt 120
 tagagtctgg gtacccatga gttagaagag gatattgctga ggtcatttag gtcttcattc 180
 tgctgtgatg tccagttgag ctactgacgg tccctctggc gcttctggaa actgatgctg 240
 gcataggcgc ttaaatacctc acttgagcgg cgggtggagc tgctctcacc gctgcccagg 300
 ggttgatgan nggggtggggg tgggggaagg ctgcggttca ggggtgcact cctgagggca 360
 ctgtttgaag tccttgacca aatccaggtc tatgtagtta agaccattct ccaaaccctc 420
 agcagcccca cacagt 436

<210> 52
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA071558

<400> 52
 taagagagga ggatctcact ctgtcaccta ggctaaagtg cagtgggtgtg atcataactc 60
 atgctggcct ccaactcctg ggctccagcg atcctcttgc ctgagcctcc cgagtagctg 120
 ggactacaga tgcattgacc acccacagct aatttatttt tatttctgta tagatggggg 180
 ctgcctatgt tgcccaagct ggtctcaaac ttttggcctc aagcagtcct cctgcctcgg 240

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cctcccaaag tgctgggatt acaggtgtga gacacggcac aggaatcatt tatttttagc 300
ccccagttct gcaaatttgg cttctgggggt ccccccaat ttacagacag ggaaacagat 360
tcttaggcaa catgtaactc acctacgcat cctgaagtgt ctaagtggca gagtgctggg 420
gcaaaagggtg ccactcgata aacatgtttt aggtgaat 458
```

```
<210> 53
<211> 242
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA082041
```

```
<400> 53
cagaatagca tgcaattttt tattgttttc taaatctatt tgtacactta atatgctagt 60
attaatttca caaacagtat aaagaatgta ctccaatgat attacgcggc aactactcac 120
ctgaaaaaga aaacattgtc tctgaaataa ttcctaatta tacaattttg caaataagca 180
ctataaatgt taaaatgtta agacttcagt gtaataatgt caataacatc ctgccttttt 240
aa 242
```

```
<210> 54
<211> 567
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA082546
```

```
<220>
<221> unsure
<222> (1)..(558)
<223> n = a or c or g or t
```

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<400> 54
agagaagacc gtggatcacc tggggacaga ggtgaaaggc ctgctgggct gctggaggag 60
ctggcctgga acctgcccc gggacccttc agccccgctc ccgaccttct cggagatggc 120
ttctgagccc tggagctgga gccagcagt tggaggtggt gcacctgcca ggcagcgcca 180
cagaaccagc cctgtcctct cgacttcctt ccttagcttc atgtgaaata aaagctattc 240
tgggtctctc tgtgtctgct gacagagtaa cccgtttaac tacagcctcc tctcactcca 300
cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acacccccan 360
tcctgtcatt tataggggaa gatggagcag gggttgattc acacagatgg gggggcctct 420
gaattggcct gcttctcaga atgttgcca taggtnaaaa gcaaggggat cgggggttcag 480
gaccancaga atgttttagt aatctgnatg aatgagaccc caggatttat gtgtccatta 540
agtgggttgt gtgnttttaa aaaaaaa 567
```

```
<210> 55
<211> 328
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA084138
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<400> 55
ggttacaaga ttctttattt tgtaaaactat acataaacag taaaaaagaa aatgcattat 60
actttattac gtaaagtcaa cattaaattt tgtattgagt gtgtataaat taaatggaaa 120
taattaatca attttgcttt caatgaattg tatactggga aaccagttta cccactgttg 180
aaattaaaga taccaatacg taacattcaa caggtttttc catttttatt atgggcacaa 240
aaccattggt atgatatagt taaaagtgat ggtgtgccaa aatgtctaca caattaatta 300
acatgctaac ttaaatacag cgggttaa 328
```

```
<210> 56
```

<211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA084324

<400> 56
 ttttaggaacc aaattcatca tcattatcac acaaaggcat ttggaaatgt caccttacac 60
 atggtgagca catatgggtg ccagcccgag acagcaggat aagtttcaca aaacttgacc 120
 aggcagggtta gaagcaaggc atggttcagg atggcagagg gcagggagac agaagggagt 180
 aggatgggag agaagagcca gctggaagat gagtcagggg gtgcaactgg ggagagcagc 240
 tctgaatcct gcttctcagt gagaaagttg ctaagatggc tttgcaggga gctgtcctat 300
 cgctgctcga gatcagcctg ctgggcctat tgatgataag cagggctgac cctcttgggc 360
 tctgtagcta agcccaaacc ctgctgaaaa tggggcgggg aggttgaggc ag 412

<210> 57
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA085608

<400> 57
 ttagagttaa cataatatat ttattttaag tgccattcat gcatatcagt tctggcagca 60
 acaatcctaa tgacacttgg aatatttctt tacagcacta aacagttaca aataatgggtt 120
 gccgttcac atagaggcaa aatatgaaat cgtgcaatag caaaactgta gaaacattaa 180
 aacactgact gtccaacagc agtacagaga gcagggttga tctgcacaaa aagccaatgc 240
 attttcatca catatatata atatagatat gtacacatca ccctctgaat gaacaatatc 300
 aaaatactct attccatttg aaattatccc cggattgatt ccctcccact tcaaaggaca 360
 tctgagcgac acgtattttac aagaacacac atgaatacat ttacatttca aa 412

<210> 58
 <211> 370
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA085943

<220>
 <221> unsure
 <222> (1)..(370)
 <223> n = a or c or g or t

<400> 58
 agaaccacgc ggtgttctga ggggagcggt tatttcaagc naccgatggg acaaacantc 60
 ccaggcttcc caggtgnan tgnccggggc ggcacctca cttccagcgg cctccaacgc 120
 ggcccttccc tgcccccttc cggaacttct gggcgtggct gatgcggttg tacagcacgt 180
 tgatctcata tttctgctgt ttcagcttcg ccatcaggtc gaacttctca gactccagct 240
 ggtggatcca gtccgacagc tcttgggctt tctccggag ctgttcctcc cccatgtaag 300
 tcaatgttca agagggcttc ttaacgctcg gaaaaggaat gcgcaccttc atctcccggc 360
 ccccgctctgg 370

<210> 59
 <211> 406
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA086264

<220>
 <221> unsure
 <222> (1)..(406)
 <223> n = a or c or g or t

<400> 59
 tttttttttt tttttttttt tttttttttt tttttttttt tttttcccan ggaaacactt 60
 ttatttcnng aagtcagaag aaaaacaang ngcacaaact gaatgacaca gagcggcagn 120
 tggaaccac aggggctgcc ganagctggc ctttcacagc agaccactgt tttccagtga 180
 gaatgggtgg ccattccaaa acaaagctaa aggggtccaa acatccagaa tggaagctgc 240
 tcccccaac tccattacct atactacagg atggattgct ttttgtgaga ccccttcttc 300
 cactgggcaa ttttnggcat tatttaccct ccccccgatt tttaaaagct aaaatggcgt 360
 cccaggggaag aagtgccggc ttggatgcan gcttgggcca ntcact 406

<210> 60
 <211> 250
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA091278

<400> 60
 gtttgccttc taattgatca tttagactat tctggctaag tctgcccaca tgtaattacc 60
 ggctaattca agcgaggaaa aatgtaagtc atttagacca aagccaagca gtttctttgc 120
 gtgggttact caagggttg tggttacttg tatctcctct atgtgaactt gactttgaaa 180
 gacagagctc tagtgtgcca gcttgctaag tcctgtaaga atagggaggg cggagggggg 240
 ggcagtacta 250

<210> 61
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA092215

<400> 61
 ccgacatgaa ggtgtcagct gtgatgcatg tttaaaagga aattttcgag gtcgcagata 60
 taagtgttta atttgctacg attacgatct ttgtgcatct tgttatgaaa gtgggtgcaca 120
 acaacaaggc atacaactga ccacccaatg cagtgcataat taacaagggg agattttgat 180
 ttatactatg gtggggaagc tttctctgta gagcagccac agtcttttac ttgtccctat 240
 tgtggaaaat gggctatcga gacatctctc agacctgtta cttctaaaca tgcagaaca 299

<210> 62
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA092716

<400> 62
 gcgagtctgg aactctttct tcggggcccc ggggcacacc atggaggtct cctgttgaat 60
 ggcccttggt gccctagagt gggaccacgc cctcacctcc cccagagcta acctgggagg 120
 tgctgaaggg gcattgggct accgtaagca agggaaaaag ggcagatcat gcggggagat 180
 gaccttgatc tttgattgct accctaacct tgacctttaa cccgtgattc ccccagctcc 240
 tggagagatg tctaatatct cttagggacc agaccctaaa ttctctctcc ccatttgatg 300
 ttagtgg 307

<210> 63

<211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA093923

<400> 63
 gtcataatgg accagtcagt tgatttcagt atatacaact ccaccagacc cctccaaccc 60
 atataacacc ccaccctgt tcgcttcctg tatgggtgata tcatatgtaa catttactcc 120
 tgtttctgct gattgttttt ttaatgtttg ggtttgtttt tgacatcagc tgtaatcatt 180
 cctgtgctgt gtttttgatt accctggtag gtattagact gcacttttta aaaaagggtc 240
 tgcacgtgag agcatttgac cacagtggac gcgtggctat gcaggtgatt cctcagtctt 300
 ccttggtct 309

<210> 64
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA094800

<400> 64
 ggcactgcag aaaaagttcc agaaacaatt tgggggttagg cagaaatggg atcagaaatc 60
 acagaaaccc cgagactctt cagttgaagt tcgtagtgat tgggaagtga aagaggaaat 120
 ggattttcct cagttgatga agatgcgcta cttggaagta tcagagccac aggacattga 180
 gtgttggttg gccctagaat actacgacaa agcctttgac cgcacacca cgaggagtag 240
 aggccactgc ggcacaaagc gcatcttcac a 271

<210> 65
 <211> 323
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA099820

<220>
 <221> unsure
 <222> (1)..(323)
 <223> n = a or c or g or t

<400> 65
 gtgacatggt ttttgcttta ttgaaattct ctcttacaac aggtctgang tatttttaggc 60
 caggcctaatt ttgcttttgt ccctgaaatg caggcccatg gtcatttcca tgtcctctga 120
 agtaggtatg taaactagta gacttccatt ttttaagggtt acacactttt taacattggt 180
 tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagagtt 240
 atgtgcgtct tcatggaagg gataactgga ttctttgcca gaaccgggtt gggaatttag 300
 tttgttcaat gtggcatctt tca 323

<210> 66
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA101767

<400> 66
 catttcataa ataatgtact ttattttatt gcatatggct attaaggagg gcatccatga 60
 tcaatacaga ctaaatacaa tgcaactatt tagtccagtt tattctcgtc tccagcagca 120

```
tcacattgac ccctatatac agcgtgtaca gtggaagaca gagcaagata agttaagtct 180
cttgtcatat cacaatagca agaaatatat ttaacatctt gatatccaga aacaatacgt 240
acccaaaaag aaaacactgt ttaataactg ttaaagttta tatagcaaaa aatattttta 300
atttaaggta agtcaggcaa aatgtacaaa gacccaatat acattgtgaa gtttttagcaa 360
acataacatt tatacatttt ggttccattc tgtaaactaa attaaaaatg gtaaataattg 420
catatgcctt t 431
```

<210> 67
 <211> 260
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA102489

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<400> 67
agtctacaag ttcagaccca catgtaacgg atttttgctt catggttgtc agaggctagt 60
gtgcattatt tctgaggatt atatccaatg acacgacgca gaaaacacaa atggacggac 120
agacggatgg acataatcat taagacaaga gactctaaaa cgtgccttag tgtccacgtg 180
attgatctaa ggcggggacc ctcttaagggt ggggacccga gtgatctaaa gcagggtggc 240
ttccagcaca aggggtgccga 260
```

<210> 68
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA114858

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<400> 68
tttttacaca aagaaaaaga ttttattgtc ttcttagtca atatccctgg tgaaattaga 60
ggcatagctt gagactgggtg acagtgcac acagaccttc aggagctgct ttgaggactg 120
gcctgccagc atgcctgctg ttaagccagc agccccctca ctccggcccc tgccatcttg 180
acagatggag ctgccatggt ttcagggaca ctcagcaggg catctgggtt ggtccctccc 240
acatggacct tgtaaagttg ctattcaggg gaacctggta tcgtttcagg caaaacacag 300
aaccatatta gcacttctaa gccccctgcc ccggccgcct ccccggaaca tttgggcttg 360
tcgcacattc caggagggag caggagcaca gctgcagcca cagctgccag gaacaggcct 420
gggctccgcg ctgtgtgggg ggaagg 446
```

<210> 69
 <211> 365
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA121142

<220>
 <221> unsure
 <222> (1) .. (365)
 <223> n = a or c or g or t

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<400> 69
tttttttttt ttttcaacaa actcagcttg actttattac atggaagctt gcagggagcc 60
agcggggaag gcctgtctgg gcaggaactc catggctggg ctggactgga ctgagcagtt 120
ggtgttccag atctgccggg gagaccagat caacagcctg cctcttcagt ttatatccg 180
aagactcgcc caggctcctg ctacttgggg ccaaggtagg aaacagcctt tcctgttttg 240
ttgagggttg ccancagggt gtctgagctg tgcccaaagt cgatgcagac cttctttttg 300
ggcaaggtea atgttgaact ccantcctcc caagcttggt tgaaggactc tggaaaacgg 360
gtttt 365
```

<210> 70
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA122242

<220>
 <221> unsure
 <222> (1)..(564)
 <223> n = a or c or g or t

<400> 70
 gcgacatggt tagaaatact ggtagggaac caggagtaag aaaagcttta ccagctttta 60
 ctacaaatgg atgaaagaca tcaggatccc accaccgcaa gttaaagtac ttcccttttc 120
 tggaacccct gtggcacagg agtaccaatt ttcctttcca acgaactgga tttctggata 180
 ggcatttttg ctgtatgtgg acagataaga ccacagtcct tagcccaatc ccagctatac 240
 agtcacccca atttccacaa atgatgtgat ggtaccgtat aatcctgtaa ttgggaaatt 300
 tcacattttt cctgtcctaa tctcagaggt gggagaagca agtctagaac atctccaggc 360
 tcagactaaa cgagagtact tggactgcaa ccaagtaatc actgcaaagt agttccaagc 420
 agcaagaaat accagattct catggaggct actatagggt acagaataac aacatgaaag 480
 caatcaaccc tgtataaata atgttcttgg catttttttt ttattaaaga atccagtgt 540
 caaaaaaaaa aaaaaaaaaa gggg 564

<210> 71
 <211> 584
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA122302

<220>
 <221> unsure
 <222> (1)..(584)
 <223> n = a or c or g or t

<400> 71
 cagattctta tttgccatct caccgagaaa atgagcatgg tatagttttg accagggatg 60
 tagccataaa actcgtgagc ttatatttca ccaaggatga agcacttccc tgggcaatga 120
 gaagaaacca acacatgcct ctggagtcaa gacatctgtt taagtttggt aactggagta 180
 ttcttcttcc tgagaagtat agaaaagact atgtatatac tgaaccaatt ctnggaggac 240
 ttagttattc attgccagga cttacagaca gcagagcatt acccttggtg gccaatgatt 300
 ctcagttaca gaatttgcca ctaacctata ttcttacttg tcaacatgat ctcataagag 360
 atgatggact tatgtatgtt acaagacttc gaaatgttgg agtccaagtt gttcatgaac 420
 atattgagga tggaattcat ggagctttat cattcatgac ttcaccattt tatttacgtc 480
 taggtcttag gataagagat atgtatgtaa gtnggctgga taagaatttt aaatatgtga 540
 tgtgtatgta tagccctac tagtggtagg natttgtgaa atta 584

<210> 72
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA127946

<220>
 <221> unsure
 <222> (1)..(261)
 <223> n = a or c or g or t

<400> 72
 ttaaagtgaagaaaactttttttgagtaa tatacatatc attcattcca ttttaattttc 60
 atagctatgc nctatgaaaa ttaaattggaa tgagtaatat acatatcatt cattccattt 120
 aattttcata gtgcatagct atgtgtagaa gtacacaggg aagaataaac attagaaata 180
 cctagccatg aaaatataca agtgaagaca tttgatatat ccatggacng gcttggaagt 240
 attataaaac aggatccatt a 261

<210> 73
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA130349

<220>
 <221> unsure
 <222> (1)..(444)
 <223> n = a or c or g or t

<400> 73
 tacaaaaaac aattgttatt tgtgtacttt taaaacctca cagtaatatt ttcacactac 60
 cttcttggct gaaagttcac actcggaatt ccagagcagt ccatggccag gccactggn 120
 tcccccttgc ctctccttgg ctttggtaac cactggcccc agggactcag cctgctttcc 180
 tatccatccc ctcatagct gtcacatgc aggttacccc ttctgtttct tctaccacta 240
 actccatgtc tgactgcaag tgaaaggaac agaagcccaa acctttgggt ttttaaggagt 300
 ttattgctaa tctgtaaaac agaaagagac aggagataag catgacaaaa tataggggaag 360
 aaatgacttt tgccctaaact tccaaactgt gtacaattga agcctccgct ttatagctct 420
 tagcacacct ctcaaataag aagg 444

<210> 74
 <211> 616
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA131322

<220>
 <221> unsure
 <222> (1)..(616)
 <223> n = a or c or g or t

<400> 74
 gatttccatg cactttaatg aggtccagca ctcaggagga ttagcgccca ccaccagctg 60
 cctgggcagg ggagggccgg agcaggtngc aggcgtcagg cttaggacag ggaagggggc 120
 tcaggatggg gaagggctct caggacaggg gaaggggctc agaagagagc agggggctta 180
 ggacaggaag gggcactcag gacggggcag ggaaggtgtg gggggcagtc gccacctggg 240
 taggaagcag tgggtgtttt gacaggaggg gctggctctc cagtgaccca ggtggacacc 300
 ccaggcctga ctcacggctt tttggggaca tagtggtgga tccagtccaa gtagtaggtg 360
 acacgggtgt agatgccagg ccggttgggc tgggcacagc tncgntccca gctgaccacg 420
 cccgcctgta gccagggtgcc attcaccttg cacaccaggg gccctccaga gttcgccctg 480
 gcatgagtcc ctccgggtgt cccggcacac agcatgtcgt tcacggatga tgccgacgtc 540
 gtctcccgtg taggcgcaa agtggtatct gcgtcacaaa tgtggtttcc attatgggga 600
 ccttcaactgc ttcagg 616

<210> 75
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA131919

<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

<400> 75
tttttttttt tcttgagtaa ttttttattt tgtgcagaga caggatccag aactcctggg 60
ctcaagtgat cctccactt tgggtctcca atgtgctaga attacagccc tgagccacgg 120
ccccatgccc cgtttttacc agtgtatatt ttctactgga aaatgagact tttagggatg 180
aatgtggact tgtctgttga aacttgtaaa tttgcttaaa aaaaaaaga tctccaagtc 240
ttcacaaaat tttatattcc ccaaggctgc cccatcacaa tgctgtgaa gcttgactgg 300
cagacactga ggcctgaagc tgggggctgc agggggtcac tggctcacc gggtcccccg 360
taatctgtaa aacatactgg gtgaggagg ctgctggagg acctgaatct ctcccttctc 420
caggcagtag tgaggcatat gctgntggcc ttgggccaat taaa 464

<210> 76
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA132239

<220>
<221> unsure
<222> (1)..(417)
<223> n = a or c or g or t

<400> 76
tttttttttt tttttttttt tttttttttt ttttttgcag ataatttctt tattgaaact 60
atcaggaagt tttactatga aattttacat acatgatgga aagtggaaga catataccaa 120
ttatattcca ggaaaaaata cttaaatagt attgttatat agtgtattgg ctaattccag 180
tggatcctca tctctcactg ctgacattat cnccaatatt tgaattatat ggcagggttc 240
atttctgtct ttttaagcagt gccactttc ccacttcttt ttggnaggaa atgcagttct 300
tananattn gatccagcat gtggactttt gactccacac caaggggcat ctgtctcaat 360
cattaatttt tcaactaggaa ttgncttcaa aacttcctcaa ttagcttcag ttttcag 417

<210> 77
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA132453

<220>
<221> unsure
<222> (1)..(467)
<223> n = a or c or g or t

<400> 77
tttcaaaggg tacaaagaag tttattgact atgatgcagt aaagatacca agagttacaa 60
tatttgtgca tatggcccaa cagtgcctac cctcctacaa aacaaaaaca aaaacaaaaa 120
aaggcaatga ggtgcagcag ttaacagccc aacactggag tcaaaggaat ggagctgcct 180
cttctggcag caaagtttca agttgtgcaa ttaaataata gtcttggtcc actccttggtg 240
ggtcttctta cagtttccct ttagaaccat aactgagtga cttagtagaa cattcatatt 300
caggatgtgg cctccagaag tgcgttttg ttttgttttg aacaaagaag tgctaccttc 360
tctcttgaag caccatgct gggttcagg gctacagagg actaagatgt tccccaaagta 420
gcctggaagt aacaggtcac atgggaaaac acaaagcaat tggtgng 467

<210> 78
 <211> 393
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA133756

<400> 78
 ctccatttat tttattttat ttttttataa aaaagcaggc ataaaatata attacattac 60
 tacgaagatg caacaaaatt ttaaaaaaga aaaaggggtg caattttttt cagagaggac 120
 agctgatcaa atatttataa ttttctaaac catgcagttc attacttatt acaattccaa 180
 acaaaactca ttattatggg gatgggagtc agggagaggc cccccccaa gcatgatata 240
 cagcgtgtc acacagtgtc tatgttcaaa gtgcttataa atgggtgtctt cacagcatag 300
 ggaagctgaa gccttattcc agggaaggag aggtgagtca gtagcagtg ccaatggcag 360
 actcagaaag ctcggcagtg acttgctcaa aat 393

<210> 79
 <211> 398
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA135870

<400> 79
 aaaattttaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtggtg 60
 tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120
 atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc aagcaataag 180
 atcacgaaag gcagctgtaa aacaggatta ttctgcatgt gttgcccaaa actagggcaa 240
 gggtatctct catcacaagt acaaagccat tgatgttagt gtgtaacaga gagaaaacag 300
 aggatttgta cagctgagga aataaatggc agatgttaca caggaagcaa tataacatgg 360
 tcattaagta actgtattca accctcaaat ttaatttt 398

<210> 80
 <211> 390
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA135929

<220>
 <221> unsure
 <222> (1)..(390)
 <223> n = a or c or g or t

<400> 80
 aaagatatca attatatatg tatataaaaa aaaaacctca ctttccccac aaaaagcaca 60
 atactgttat cacaaaaaaa atcatcatcc tcataattaa tcatactagc cacgcagggtg 120
 tntttgctgc caaaagatgg gacgacaaat aacgttgacc aggcagaacc cctagacacc 180
 ctcggccac ccacagctc tccggctgcc gaagacgagg gacgagggca aggcagagtt 240
 ctctgaggtc cccaggcctt caccatctgt gtcagttctgt gtcttctagg acagaaggta 300
 gttgtttttt tttcttttaa aacgtctgtt caaaaataaaa aacaaaagca cacgcgcaag 360
 agaagcgggg aggaacggag gctgcctgctg 390

<210> 81
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA136864

<400> 81

```
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gggaggccgc tatgccaaag tacacgcagg cggcggcgca attcccgtag ttgtgcgtgc 180
gtgctcccag agtcaggcct cggggcagca cccgaggaag tagttcaggg ggtcgtcggg 240
cttctcgcgg acatggggcg tgatgcagg ggtgaggcca aacacggccc cgacagcagc 300
tgcagtgaac gtgtattgtc caaccttagc cactccttca aggaagggtgc ccggagattt 360
gagtgtgact ctgtaggcag cggcggtcag gccagcgacg ctgaaaataa ctgggtggtgc 420
tgtaggcttt gcggtggca                                     439
```

<210> 82

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142858

<400> 82

```
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ctcaggaccc ttggggggcaa acttctcctg cagtttcttc cacatgcctt tatctatttc 180
cttaagctct tccaagggtg ctgtggacag gatcagcttg tactcttcca acgacaggcc 240
actgaagctg gtgtctctgg ggcgagggtta cttgtgtttg tagtagtttg aatggagtcg 300
cgctaagctc cgtacatctg atcacaggcc tcaggctctg aacctgggta ttctctccct 360
cccgaaggcc ctgtgctacc cgctgtcgca ggtaagcgcc caagtcccg ccccgtttgg 420
tctcgtccac tggccattcc tcacagagct taagaaaacg ccggtaccgt gggccgccat 480
ttgggccccg cgtgttccc cccctcgtgc c                                     511
```

<210> 83

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA143190

<400> 83

```
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tcatatcaaa gtccacctag taaagtttta ggtgaccagt gactttgtca attaggtctg 180
ctggtcctgg cccaatccct aggacagttt gagagcctgg tgcaatctga gtacgtccag 240
catcttgaat taaacttaca gtcagtccca gcatttttgc atggggccaa aatgcaatca 300
gggtttcttc atcaggagct ttgaccacca ccttgggctg gccacagtat tcccattgtt 360
tgagcatttc aggatttctt ctttgaatct gcctgtaggc tgaaacagca gcatgagagc 420
actgggcagc cact                                     434
```

<210> 84

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA143467

<220>

<221> unsure

<222> (1)..(599)

<223> n = a or c or g or t

```

<400> 84
gccccgctgcg gcagaggagg aggagcagca gggagccgac ggggcccgtg ccgaggacgg 60
ggcgagcagag gccgaggcag agatcatcca gctgctgaag cgagccaagt tgagcattat 120
gaaagatgag ccagaagagg ctgagttaat tttgcatgac gctcttcgtc tcgcctatca 180
gactgataac aagaaggcca tcacttacac ttatgatttg atggccaact tagcatttat 240
acgggggtcag cttgaaaatg ctgaacaact ttttaaagca acaatgagtt acctccttgg 300
agggggggcat gaagcaggag gacaatgcaa taatttgaaa tttccctaaa gctggccagt 360
atctatgctt gcgcagaaca gacaggaatt tgctgttgct ggctatgaat tctgcatttc 420
aactctagag gaaaaaattg aaagagaaaa ggaattagca gaagacatta tgtcagtggg 480
agagaaagcc ataccacact cctcttgggc atgtgcttag acgcctgtgc tcgtacctt 540
ctgttctcca agcagccgtc acaggcccaa aggatgtntg aaaagctctg cagatttct 599

```

```

<210> 85
<211> 341
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA147224

```

```

<220>
<221> unsure
<222> (1)..(341)
<223> n = a or c or g or t

```

```

<400> 85
aatacatttt cacagtgtgc tgaatgtctt tatttacaag atatcattct atagtgaata 60
tgaacaaaaac gaatgtgcat ggttgaaata actgcttgat taaaaatgtg ctgtgaagat 120
gaatcactaa tcttttcta gactctgat aacacaataa acatggaaaa atactaatcc 180
cctaatagat cnaaatatag natatagncc ccnaaatatt tcnggggggat ggattttcct 240
tcngagggtt cncaaaaagg naaaanggaa atggnntccc ccagccaatg gtttagccaa 300
atattggggg aaatgcccat tccaatggga aaaaccggga t 341

```

```

<210> 86
<211> 546
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA149051

```

```

<220>
<221> unsure
<222> (1)..(546)
<223> n = a or c or g or t

```

```

<400> 86
agaaattagt ttattcttta ttatcacaca gaataacaag aattagagtt aaattcacaa 60
tattttttaa gaaaacatta tgtgaagatg attcatttca aaccaccagc caatttaaca 120
taaaacactt gtcaagctga gtagactgtt ttcttatgtg aaccacaaaa tattttctct 180
gaaatctaca cttagtttta aaacagagat gggattttgc atattagctt gaaaataagt 240
atatgatgat gatattaggt gccactagc acctagtttt tacagctttg cattgtcacc 300
ccatcactgc cagggaccca gccccaggca tacacagatg aaaggacagt ttcaccttct 360
tggaacaaaac cttcagaaca attgtcaaca tactctcaaa tgtctttccc actcagaaat 420
gaggagcaag gtgtatgacn ttagattcaa gaagtatatg gggctaaata tctttaaaag 480
tttaactctg ggacaatgta cttagggacc tactacttac tccaaatagg ggtagtagcc 540
attagt 546

```

```

<210> 87
<211> 561
<212> DNA

```


<213> Homo sapiens

<220>

<223> Genbank Accession No. AA149579

<220>

<221> unsure

<222> (1)..(561)

<223> n = a or c or g or t

<400> 87

```
atagtaaata tattacattt attctaaaac ttcaaaaatta ttctgttttt gtagtactga 60
aaaaaagaca gtgccatttg aaacaacaga tgcattcttt atacattttc acaagtttgt 120
ttttcatatt tttaaaggcc ccatttatct gtaacagtgg tattttttatt tagagtatcg 180
gctacttaat atatacatgc aacaatatat gctttaatag tcattttaact ttttaggaata 240
tttcatcaca ttaagtgggt aagcatagtg ttaaaagagt ggaatttaag gaataagaaa 300
atattgaaaa tacgctgtta ttttcatttg ttactataa tagaatgttt ttgcccataa 360
aagttatcat tgcccaactg aattcctacc aagaactaac aagtgattct cagtggggag 420
aantttnttt nntnngaata tagagggtc gttagaaagt gcagatntag gcgggcgcgt 480
antcacaccg taatccagca cttggaggcc aggcgggcgg tcacgangta ggagatcgag 540
accatccggc tacacggtga a                                     561
```

<210> 88

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA150920

<220>

<221> unsure

<222> (1)..(420)

<223> n = a or c or g or t

<400> 88

```
agcgttgtaa ggtttatttg ggtagggaag gggacaagtg aggtaactga tccttgcttt 60
gtagacagtg caagacaatt atttgtggtg aagggaactg atgccaacaa acgttactca 120
tgcttttagt aaaactttta gtcacctaaa acagaaacaa ttctnaagaa cactgggtgga 180
aaatagaagt gtaaatgttt cagacaaaac caaggcattg tcagcacgat gtacattata 240
cggcagatan nacagccaca tcctaggcca cagagcagat cccaagagcc ccaggcatgc 300
aggagagttt taaaggaaca gacggaaatt ttaactgtga aaaccacgaa atttcatgac 360
ttttggtcag ctacnacctt aactaatata tgaccattaa gagtaaaatt ctgaccttta 420
```

<210> 89

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA151210

<220>

<221> unsure

<222> (1)..(426)

<223> n = a or c or g or t

<400> 89

```
tttttttttt tttctggatg aatacatgtt ctgggtcttg tacaggttct ggtaaatcag 60
atggagaaat gttgttcgag aaatgtcagc aaactttaca gcagtagttc acacatgcag 120
ctactataca ttcattcatt gctattttcc taagaaatgg agcaacctag gagcttatgc 180
```

```
tacagtagat tccaatgaac cataatgact acttcaagaa caaagaagca catncaaagg 240
tgtgatatct tctgtttggt ttgagttttc aaacctgaaa ttcttttaaaa tacatttctg 300
ggatttttatt taaatattga tgcnacacac ctaaaaagca gtgacttctt gggtaaaatg 360
taatactgaa atggaaaatt gtcttttcaa aaaaataaga agtgtgtggtt ggaaattccc 420
cgtgcc                                           426
```

<210> 90
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA151428

<220>
<221> unsure
<222> (1)..(400)
<223> n = a or c or g or t

```
<400> 90
cagagagaaa gtgctttatc agccgggctc agccgcacac cggactcgcc aggagtaggt 60
ggtcagcacg cgctgctggc ggcnaaccac caggtgtagg tgccctcatt gacggcggtg 120
gcatgatgac tcaggtgcgc ctgcgccagg gccaggtagc cggggtagga gaactccagg 180
ggctcctggt ccttgtacca gtacactttc cctttcttgt ggaggatctt ctggccgcag 240
cggaaggcca cgttcctgcc ctccgnacca agcctggttt tggtcctggg gggcggtggn 300
gggtggttggc caccgtgggg aaaggggaat ttcgtagcaa gaaantccgc aagctngctt 360
ggggggcaaaa agcttccttt ccantgaagn cccgccggga                                           400
```

<210> 91
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA151544

<220>
<221> unsure
<222> (1)..(502)
<223> n = a or c or g or t

```
<400> 91
caggacgagc tgtggggggt gcaccggctc tacggatgcc tcgacaggct gttcgtgtgc 60
gcgtcctggg cnggaggggc ttctgcgacg ctgcgccggc gtcnatgaag aggcctctgc 120
cagcagctgc gacttctgct acgaattccc ctccccacg gtggccacca acccaccgnc 180
ccccaaggac caaaaccagg ctggtgccga ggnaggaacg tgaccttccg ctgcggccag 240
aagatcctcc acaagaaagg gaaagtgtac tggtagaagg accaaggaag cccctggaag 300
ttctcctacc ccggctacct ggcccttggn cgaaggcgca ccttgaagca tcatcgccaa 360
cgccgtcaat gagggcacct acacctgcgt ggttgcgccg ccagcagcng ttgctgacca 420
cctactcctt ggcgagttcc gtgtgcgggg ctgagcggct tgaataaagc aatttctctc 480
tgaaaaaaaa aaaaaaaaaa ag                                           502
```

<210> 92
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA152200

<220>
<221> unsure

<222> (1)..(285)

<223> n = a or c or g or t

<400> 92

```
tactcttccc tcttcattta ttttggaatg tgctagaaac agcttgaaac atccctttaa 60
tagcttcccg gcctcacgag tgttgaatga catgacgaat tctccttcat agaaggtaca 120
ggatgaaccag aactggaggg gcatttgagg tccttccttc ttcagaaagt gcgacgcgat 180
caagatgcat gtgggttttca gtagaactgg cccatgtttc ttggggagcga ggtgtccaaa 240
ccactgttca tccatatttc cnggatgatt tgctcccngg gctca 285
```

<210> 93

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA152408

<400> 93

```
tgattctgga aatattttta ttaggttcca ctttaaaaaa aaagtagctt ccttatgacc 60
tccacagtga gtacattaac tacattttca caaacagaaa acttacatac attcaactgt 120
ttacaagaca tgtctccata taacacattt acattcatgt gaaatctatg aacttcttta 180
attgcatata tttatgactc ttacatctgg taccttttaa aacagctaac atatatgtatg 240
cttatttcct ataagttaat taatatatga ctatttaagg tgagaagagt ctcatctgaa 300
gaattacaat agttatattc ataccatggg aaatcaatag tttttctaaa cataaatttc 360
aagctaaagc tttagcaatt taagttattt aactaccaat gcatagaaatt cttatcagat 420
tgtcccattt ggattacagt ttaagtcatt tcaagctgtt cacaattatt tgg 473
```

<210> 94

<211> 528

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA155958

<220>

<221> unsure

<222> (1)..(528)

<223> n = a or c or g or t

<400> 94

```
acccccgcag tttccaggat ttctccacc tgtacctcca gggaccccaa tgattcctgt 60
accaatgagc attatggctc ctgctccaac tgtcttagta cccactgtgt ctatgggttg 120
aaagcatttg ggcgcaagaa aggatcatcc aggccttaaag gctaaagaaa atgatgaaaa 180
ttgtggctct actaccactg tttttgttgg caacatttcc gagaaagctt cagacatgct 240
tataagacaa ctcttagcta aatgtggttt gggttttgagc tggaagagag tacaagggtc 300
ttccggaag cttcaagcct tcggattctg tgagtacaag gagccagaat ctaccctccg 360
tgactcaga ttattacatg acctgcaa atggagagaaa aagtactcgt taaagttgat 420
gccaagacaa aggacantg gatgaatgga aagcaagaag aaagcttcta atgggaatgc 480
aaggccagaa ctggnactaa tgacgataag agccttgatg agaacaag 528
```

<210> 95

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA156064

<400> 95

```
attactatac catttatttg atgaattaat caatgttcaa atggaagagg ttttgacaat 60
```

| | | | | | | |
|-------------|-------------|------------|-------------|------------|------------|-----|
| gtcactatgt | ttgatgttta | tacctgccct | gaatgcttgc | tcagaagaga | aacagatttc | 120 |
| ccagtatttt | ttataactta | ctttcccat | gtcttcaatt | aatttgctat | tatcccaagt | 180 |
| agacagacaa | cttcagtagt | agccatctcc | ctacattttt | agatcactga | aaaaaatgga | 240 |
| tgagcaaccc | atgaaaaataa | ctagcttact | gaaatgcttg | tcttttaaag | aaaagttggg | 300 |
| attattttaa | aaaaaaaaatg | gcccaggacc | agttactgtag | gagatctggg | agagagaagt | 360 |
| cattgcctttg | gttctgaca | | | | | 379 |

```
<210> 96
<211> 457
<212> DNA
<213> Homo sapiens
```

<220>
<223> Genbank Accession No. AA156565

| <400> 96 | | | | | | |
|------------|------------|-------------|-------------|------------|-------------|-----|
| atagtaaata | tttaattggt | tccatcagca | attccagcac | aagttttcct | ggatggtagg | 60 |
| cagaatcaag | ctacccaagg | gttcatgatg | aggtatgggg | gtcactgagg | agacccccag | 120 |
| agtcactgac | ccctcccgcc | acctccacac | accaggtggc | cctgcagaat | gaggggttggg | 180 |
| ctgatagaat | gtcaattagg | ggagacagga | tacaggggtga | gggaacaggg | tctagcttgt | 240 |
| atatttgcct | gcaggaagga | gggaggggcag | gagagactct | gcatagaagg | actggaacta | 300 |
| cacatttaag | ttttcaaccc | caatatgcag | ggggaaacag | ccaagccact | ctccatctgt | 360 |
| ctagtattag | gaacctctct | tcaagtggtc | ttttgtcatc | tctgttcttc | ttcccaattc | 420 |
| tgtattccaq | attccaaatt | ctacaattqa | aaccctaa | | | 457 |

```
<210> 97
<211> 428
<212> DNA
<213> Homo sapiens
```

<220>
<223> Genbank Accession No. AA156897

| | | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|-----|--|
| <400> | 97 | | | | | | |
| cagacatgga | aatataaattt | taaaaaattt | ctctccaacc | tccttcaaat | tcagtcacca | 60 | |
| ctgttatatt | accttctcca | ggaaccctcc | agtggggaag | gctgcgatat | tagattttcct | 120 | |
| tgtatgcaaa | gtttttgttg | aaagctgtgc | tcagaggagg | tgagaggaga | ggaaggagaa | 180 | |
| aactgcatca | taactttaca | gaattgaatc | tagagtcttc | cccgaaaagc | ccagaaactt | 240 | |
| ctctgcagta | tctggcttgt | ccatctggtc | taaggtggct | gcttcttccc | cagccatgag | 300 | |
| tcagttttgt | cccatagaata | atacacgacc | tgttatttcc | atgactgctt | tactgtattt | 360 | |
| ttaagggtcaa | tatactgtac | atttgataat | aaaaataatat | tctcccaaaa | aaaaaaaaaaa | 420 | |
| aaaaaaag | | | | | | 428 | |

```
<210> 98
<211> 418
<212> DNA
<213> Homo sapiens
```

<220>
<223> Genbank Accession No. AA158132

| <400> 98 | | | | | | | |
|-------------|-------------|------------|------------|-------------|------------|-----|--|
| ttttttacaat | tccataccac | caccacatct | gttctgtgct | tttatttttac | gaaaaagcta | 60 | |
| atggcaaadc | tacattaaac | taagttgaat | acaaagctct | agtgaagaag | gcctgggtgg | 120 | |
| ctcgtttaca | aaaatggcca | gtgtcatatt | tgggcttaaa | atttcaagaa | gggcacttca | 180 | |
| aatggcctttg | catttgcgatg | tttcagtgct | agagcgtagg | aatagaccct | ggcgtccact | 240 | |
| gtgagatggt | cttcagctac | cagagcatca | agtcctctga | gcaggtcatt | cttgggtaaa | 300 | |
| gaaatgactc | ccacaaactc | tccatcccct | ggctttggct | tcggctttgc | gttttcggca | 360 | |
| tcattctccgt | taatggtgac | tgtcacgatg | tgtatagtac | agttttgacaa | gcctqqqt | 418 | |

```
<210> 99
<211> 602
```

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA158262

<220>
<221> unsure
<222> (1)..(602)
<223> n = a or c or g or t

<400> 99
ggctcagctc aggttctgct tgccgggtgc ccagtgaagc cgacagagcc tcgagtgcct 60
gatcactcat tgtatccttc tccaccttcc ttttcttctc ttgggggtgga gcagcacttc 120
tgactgtccc tgctgactga gcttttaaaa cttctgtaga ttctcttttt tcagttttct 180
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tacccaattc ctctatgtag gtggaactca ttggatctga aacttctggt ccagtatacg 360
ttgtattttt ttcttcagtt tcttcaggtc ctctaaagt atctattaag tcattccaaag 420
cagcatccat gcctgacttt cccgatggtt tatccgggtt agattcaact ggcacagctg 480
gggttaatat tttcttttct ttttcttctg canccggctt gcagatattg cagtataacc 540
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tt 602

<210> 100
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA159025

<400> 100
ttgatgtcta gaaacatctt ttatttgggt aacaggtccc aaaacaggct agttaataaa 60
atagattcta aagaatatgt ccttatgcac agccctccct ccccaaaaat aacgctgggg 120
gtaggcattg cctttccccc ttgggtctct cgggtgtatt taaaaaatg ttttggcagc 180
tcagtgttta tcatctgggc atgggacacc atgtccatgt ccccatattc ctagggtaca 240
gcagcagtag atggctgcaa caaccttcc cctaccccag cccagaaaat atttctgccc 300
caccacagga tccgggacca aaataaagag caagcaggcc ccttctactg aggtgctggg 360
tagggctcag tgccacatta ctgtgctttg ag 392

<210> 101
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA165116

<400> 101
tagtggttaa ttttattgaa tgctttctcc gcactctgatt tttcttcttt aatatgatat 60
gtttcattaa tattctgatg ttaagcctta tattcccagg ataagccctt cttgggtcata 120
gtagaggcag tgtgtctgtg tctgtgtgtt ttgttcagta tactgctgga ttcagtttgc 180
cagtatgttt gcctagtact tttatttagg atttttttgc atgtacattc ataagaaaga 240
ttgatctaaa attttattgt attgtccttt tccagtgttt caggacaata tcatagcctc 300
ataaaattaa atgggtagct tctgcacct cttacctttt ttctttttct tttcccttcc 360
agagacatga tctcactctg tcaactcatg tggagtacag tgctgtgatc atagctcact 420
gcagcctgga actcctgggc tcaagcatcc tctgccccca gcccccaag cagcaggg 478

<210> 102
<211> 472
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA165231

<220>

<221> unsure

<222> (1)..(472)

<223> n = a or c or g or t

<400> 102

```
tttttttcat tcatcagaca ttttaatgag acccaatctg atatgacccc ttcttggggg 60
tagctcatca tccaaggaga aacaaacagt tacaatgtta caatgcaact tgctaaatat 120
tgaacagagg taattacata aagctgtgtt cccccagctg ctccctgct tgtgctgaga 180
tcaggagagc tgtaggaagg agccacaggg gtaaaggatg acccactcca gctgttgga 240
tatgagatga gtcacatctg gaaattctaa tttggtgcag ctgcccagg caaagtggta 300
ggccttggtt acatttaact cggtaaagct ttatgaagca cctaccaggt ggggtgcatg 360
gaggtggatc agattgagcc acgctgctgc cacctctgtg gagggaggct ggcattggata 420
caacttgatg actatagact cttcctctct gggnttcagt tccctcttct ta 472
```

<210> 103

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA165312

<220>

<221> unsure

<222> (1)..(476)

<223> n = a or c or g or t

<400> 103

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tcgtnncntc ggttctgaga aataggcact ggcaatttac acatgccttg ctgtgtaatc 60
tcactatatt tgctcaggca aagtgggaga agcagcctta ggttttcatt cttagagatgc 120
cggctttccc acctgatcgg cttagagtgc acgattgact gttttgggct tcatttcacc 180
ctctacataa caagcgggtg gactagatgc cttagcaagg gtccgtgttg tgtgggtgtct 240
ccagccacgc actcagctca atcttagcac agttaaaaaa tgcctttcta gcaagttatc 300
tgcccagtgct ctgaaaaagt atcatttctt gtgttcaata aaaaagcctc ctaatttaat 360
caaggacctt tggagataac tgtcttttag ttgtggcatt gcaaggatac aaatgcagag 420
atatttttaa agtgatcctt ctgtaagagt gaaccacga tatgatctgg nagcaa 476
```

<210> 104

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA165313

<220>

<221> unsure

<222> (1)..(479)

<223> n = a or c or g or t

<400> 104

```
cacaagcccc caggtccata gccaaagtttt ccccggtttc ccagcagcca gtgacttctg 60
tagcattagg attcttatag tagttattgt ctacatttct cagcagattg aatattgtact 120
gcctcttact actggactgt ttattcttaa atgtgtacag tatggattta tgtcgtctat 180
atattatgca tttatttgc ttcttcggtt tgatggtaag ctctggagg gcaagtcttg 240
catccactgc tttgctggca acccgactgg taagcttctg gaaggcaagg cttgcatcca 300
```

```
gtgcttttgct ggcaaccgga ttgctaagta ccgtgtttta agcttagttc agtctcaagt 360
gtttgcagcc acatctgaag accaataaag caactgctgg gtttatccn tgggagctga 420
cagaatttcc tctcccaaat accatanaca ggaaaatcat aagcctgaat taccgggtg 479
```

<210> 105
 <211> 347
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA169837

```
<400> 105
tttttttttt tttcagcctt gacagcaaca ccctttattc agcaccagga atacccttcg 60
cacagaacca gcgagcttca cgtgctcagc ttccccgcgg aaatgctcac aggatgctgc 120
gggacccccg gcgtagccaca cgatctagtgt gtggtgctgt ctgaactgga gccacagta 180
accgcatgtg ccggtttttg tttctttgtc caagtttata tacacttttg ggtggccaag 240
agctcccccg ccgccatcgc acgctatcac ccgagtctcc acctcgctca cgggctgctc 300
tgctatcaaa tcaatggcaa agttttcatt cacctctttc tgacgac 347
```

<210> 106
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA171939

<220>
 <221> unsure
 <222> (1)..(298)
 <223> n = a or c or g or t

```
<400> 106
tttttttgagg cacctgtggg actttatttag gtaaacagac cccagctcca gccacagggtt 60
ggaccggcca gctgacagtg cggcctcaga caccocgcgc aggttccctc ctccctcctc 120
tctcagggtc accagtgtgt gaaagatcgg ggcattgccg ccacaggggg aagcagggtt 180
caggctgccc cacctgggtc tggccctggc aggcgcccc tcacctgggt ctgctgtggg 240
anccgagaac aaagacatna cctgcctggc tcctgctgcc ccgggggggtc agcnagca 298
```

<210> 107
 <211> 420
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA172188

<220>
 <221> unsure
 <222> (1)..(420)
 <223> n = a or c or g or t

```
<400> 107
atttaagaaa gaaattttac tgtgtctttc atacacaaaa gctgattaac aatgggttaa 60
aaaacactac tccacttttt cacagggtgta caaaaggaaa tataatggaa ttacattcaa 120
caataaagct taaagttcac tctaggtaat agttgcatta acattcacat acacaagcac 180
agagtaagta tatttcagga gtcttagcat agcatacagc atacatatgg gagattgatt 240
tcaggtaaca tcataggtgt tagtaagatt agcaattcag agtggttatag aaaaggaaaa 300
ctaaaccaa gagaaggtgt aggctagcac accaagacaa gtcacagaat tagtagattg 360
aaaaatctgc tcaatgtatg agaaaacaat atttttctctc natttttggg tcntgatatn 420
```

<210> 108
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA173223

<220>
 <221> unsure
 <222> (1)..(596)
 <223> n = a or c or g or t

<400> 108
 tttttttttt ttcagccaaa ttcataattta ttccagtctc taacactctg ttgttatgtc 60
 tgctgtaaga tgatcaggag ttagtatgaa gtattcttct ctacgcacca aagaaaacaa 120
 acaaagcaaa cttcaagtca gtgaattagt taccacagtt aaaatgcatt tgattttgtc 180
 cttttccctt ttcacaagaa cgacagctga atactctttc atgtgatgcc tgatattttt 240
 ctttttcttt ttctctcttt tttgagacag ggtctttaag atgggggtct gctctgttgc 300
 ccaggttgga gtgcagtggt gcaatcttgg ctcatgtcaa cctcagcctc ctgttttcaa 360
 gtgattcttc tgactcagcc tcccaggtag ctgggattac aggcattgtg accgtgccc 420
 gctaattttt gtatttttag tagagatggg ggnttcacca tgttggccag gatggtctcg 480
 aactcctgac ctgaagtgat ccaccgcct cggcctccca aaagtgtggt ggattaccgg 540
 tgtgagccac tgtgccagct ctgatggtga aaatttcngg tacaggccta gcccan 596

<210> 109
 <211> 408
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA180314

<400> 109
 ttagcaaaaa cagctttttt attgtggtag tttgtggtat gtgctcctgg atcatgcaga 60
 aaaaaggctg ggcctcagtt agctccggga gccattctta ggaccctccg gctgcacaca 120
 gagaggggct gggtagctgg ctgggctggg gcacgcattc actgggctgg cacaggctga 180
 ggggtctctc gccactatc attaggcccc tccagcccggt tatgctcagc ccccggtcga 240
 ggatgctcca gggcgtgccg ggtatcagcc tgccagagct gcaccaggct cgtcgggggtc 300
 ttctctgcca ggttcttggt catcatgtca gccccatgca ggagcagcag tttgatgatt 360
 ttgtagcggg tgagcctcac agcgtcatgc agggcagtat ccctcgtg 408

<210> 110
 <211> 479
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA182030

<220>
 <221> unsure
 <222> (1)..(479)
 <223> n = a or c or g or t

<400> 110
 atcatcataa aaaatattta ttataaaaaa ttatcacatt tctctgtaca tagcataaag 60
 acaaaaaacac aatgtatata ttaataaatt aagtgggcct gagtattcag tatccatcta 120
 ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt 180
 atcaaagttc atttgcacag ttggtgtaat tgagatacta acatttcttt tttctagtgt 240
 tttaaagata gttcacagta tttgagttaa ttaattaatc aactgattta aatcttttgt 300

aaatacaagt atttacatgt aaaaatgttt agctcaaatt tcagtaaaaa actggaaatg 360
 accaataaacc tactgccaac tgttttggtta taatccagaa atgcatgagc cggactccca 420
 ccattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat 479

<210> 111
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA182882

<220>
 <221> unsure
 <222> (1)..(313)
 <223> n = a or c or g or t

<400> 111
 ttctggcaca tgattgagca tttattgcgg cactaacaga ggggtgctggg ggccccacca 60
 tccttgccctc tgcccttttc acctccccct ccctcccagc ttcttctgcc tagagcggtc 120
 cagattcccc tcacattttc ctggatcagg gccactcctc ccaggcacct cttgccctca 180
 ccagtacctt ttgtcccttc tcctggggct gagggctcctc agctgtgctg gnccccaaact 240
 ctccaccctt agtgcccact gtctctgcca ccctcccttt ggaaactcagg gggctcaggc 300
 atcctggcct ctg 313

<210> 112
 <211> 258
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA188981

<220>
 <221> unsure
 <222> (1)..(258)
 <223> n = a or c or g or t

<400> 112
 tttacacttt actgagacaa ttttattcac tatggatata tatacatgat caacatttta 60
 tcttcattct tcagaagact taattagagt agctttcttc tcatacttat ctctaattctc 120
 ttttaatat tccgagagat cttctgacat gcattcntca tattctctat caacttttagc 180
 aatctgctcc tcaagatggt tctctacaga cccaacatgt gtagcaacca tctctaacag 240
 acgttgcaag ttaatttc 258

<210> 113
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA189015

<400> 113
 ccagtgtact atttattttc tcaagtgcct ccattggggga aaaaataaaa gtctaatatg 60
 ccagagaaat catcattgaa ccaataagac acagtaacat aattctagta acctacttct 120
 caatgaacac acatctgaga aaaaaaccgc cagtatttta ttctcatgga aaaacagAAC 180
 aaaccacaa gttggagtca cggagataaa atacagatga aatggaaaac ggtctgttgt 240
 catgaactct cactttcaaa taccatttta tatggaagtt actttactgc ggggcaaaaca 300
 gaaggccatg ctggagtctc ttacttttgg aaaatggaga atcaaaaatt tgctaataca 360
 caaacaacaa aggagggaag ctcccttgggt aaagctctac aaacataatt atacatt 417

<210> 114
 <211> 506
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA189083

<400> 114
 ttttttttat tccaaatgtc tttattgaaa cagaatgata gagcaagaaa taatgaggtc 60
 tgggtggatg tctttgggcg caggatggag cccagaccga gtggttacag tgtggagctc 120
 tctccctgtc ccctgactct ggccaaggaa gtgaatgcaa agcagcaggg aggaggcagg 180
 gtggggacgg ccctctgagc tctccgcgat ggctggcgtg aggtgcctct gagacttctg 240
 ggcagccctg ccttccctac tcagtcttcc cgatcttctt gccaccttcc tgtgtggggc 300
 agcctcccgc cagtaactca gaggccgctc agagggcagg gttgggggtg gcaagcagcg 360
 ggacgtgggc acagcgggta ggggggtggc gccgcagcag ggaaggccgg cgacacagct 420
 ccccgctccg gagcacctcg ggcaggagct tgcgcttggt ctccggaagc agcataatgc 480
 tgaagaatgc agaagagggc gcaagc 506

<210> 115
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA192553

<220>
 <221> unsure
 <222> (1)..(484)
 <223> n = a or c or g or t

<400> 115
 ttttttttgt tcttactccc acacctaagg tggaantttc tttattgagt cataataatt 60
 tcccagaaat tccgagtcct gctacttttag gttcttgccc aggaatccac ctcttttccc 120
 ccaagcccaa caatcctttg aggtactcat gattgagcgc gtggtggggg ggggtgggga 180
 agaggtgca tgggggtggg gctcctgtgg ctacacgtca tccactgtca cctctgggtc 240
 ccaagtctct ggatcctttg gtctcacctc tagacaaccg gcgggggttc aaccttcttc 300
 cctggcaact cctctctgtc ccgacaaaat ctctcccaag gcattgtcct tgtagttaga 360
 tttacacaga gcttttgctt ttataaagtg cgttcacgcc cagcttctca cttgcatgtc 420
 atagcacccc tgggtgaggtg gacaggggaag ggatggctcc ctccattttg taggaaagtn 480
 gggg 484

<210> 116
 <211> 513
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA193197

<220>
 <221> unsure
 <222> (1)..(513)
 <223> n = a or c or g or t

<400> 116
 tttttgaatt tgactacttt tacttacaag agacttttcc ccatcaaacg atttccccat 60
 ccatttatta cacttctgaa gtaggatttc tgaagtcac ttatggcatg taattcttag 120
 tataatgcac aggattcctg tcattttgaa gcacgaggag aggtttttga tatcttaaac 180
 atttttttag tgtagatgca catattctcc acttccaatt gtaatagaaa atcagtttaa 240
 ggatacccta atgatgcaaa tgaaatgatt agcaaacaaac tcaaatntag gagccttctt 300

```
tacaatccat tgagtgaac agattcaca aataatttgt tcaactgaag atttaattta 360
ttattagaaa atgggttttaa actctgatca ttacattgaa gagtcaatga ctgagggttt 420
cttacctact ggctcatctc ttagacaata acttcttgaa taatttcnac atgagtgtct 480
gtacaagctt ttaaaaaacc gaataaatta aag 513
```

```
<210> 117
<211> 499
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA195678
```

```
<220>
<221> unsure
<222> (1)..(499)
<223> n = a or c or g or t
```

```
<400> 117
gaaaatttgc ctcctggtaa ccctgtaatg gatggggccc agaaatgaaa tatttgagaa 60
aaacaagtga aaagggtcaag atacaaatgt gtattaaaaa aaaaaagcct attaataggg 120
tttctgcgcg gtgcagggtt gttaaactgc ntttatcttt taggattatt cctaaatgca 180
tcttctttat aaacttgact tgctatctca gcaagataaa ttatattaaa aaaataagaa 240
tcctgcagtg tttaaggaac tctttttttg taaatcacgg acacctcaat tagcaagaac 300
tgaggggagg gctttttcca ttgtttaatg ttttgtgatt tttagctaaa gagagggaac 360
ctcatctaag taacatttgc acatgataca gcaaaaggag ttcattgcaa tactgtcttt 420
ggatattgtt tcagtactgg gtgtttaaaag gacaaatagc tgctagaatt caggggtaaa 480
tgtaagtgtt cagaaaacg 499
```

```
<210> 118
<211> 512
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA196549
```

```
<220>
<221> unsure
<222> (1)..(512)
<223> n = a or c or g or t
```

```
<400> 118
ttttaaagta tcaataaatt ttattatgaa agataagcca tttattgacc attcactttt 60
ctaaaaaac acaaatgtga gaataaaata aacataccta agactnactg gccctccag 120
gacaggaagc agccctggac angagagcct gcaaacggag ttnccttatg nnnaatgtct 180
gaactttctca tacattctag gatttcatgt ttcgttacaa aggaaaggaa actggctaga 240
agattcatgt acaagaaggt cacaacttta aagctatctg acgctaata cttgtacaat 300
ctggtttgca aactctgaga gacagtatca aataagcact gttcaaagac tactcccagc 360
taatccctta ctgtcatttt ctctttgaaa ttgtctttgg gactggntat gtncctactg 420
tagcttccgt ttatcccaca gcccacaanc cctanagtcc catgggtgcag tctccatgtt 480
caaggtataa aagtctgttt tcaggacaan gg 512
```

```
<210> 119
<211> 463
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA197112
```

```
<220>
```

<221> unsure
 <222> (1)..(463)
 <223> n = a or c or g or t

<400> 119
 aaagtataaa gtgtttttgga aaaaaaggaa aaaaatctat ataaaaatct cttcacatat 60
 aaaatcctga agaagggtgca aggtgagacc cagtgcgagg ggcgtgctca gatatgcagt 120
 gtgtgtgtgt gtgtgtgtgt gtgtgtatcc gtgtgtacat gtgtgcacgt gtgtcgtatg 180
 tgtctgtgtg tctgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtggtgg gtgcaagtgc 240
 acgtgtggcc cacagagggt ggggagaaaag cttggctttt tacttccatc caggagggaa 300
 ggagggcgcc tggctctcca gccttgagg gtctgcagct gggcgggacc tctactcagc 360
 caggctgttg cgcacgcact ccttctcctg gagggcggcc atggcaagac gcagggtgctc 420
 cttcagctgc tcgatctccc gctcagaccg tgtctngatg tga 463

<210> 120
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA205072

<400> 120
 tacatatagt acaattttcca gtgtgatgac atttcaatgg gaaaaagatt gtgcatttgc 60
 aataaacacc atcattcctg agtccacaga taagggtccc ggagaagggg cttccccctcc 120
 tttctcgtcg gggtgacgtt cccagcgagt gaagcctttt ctggaatgtg tgtacgcacc 180
 ctccaccaag agttctaata agctaagctt aaagcagaac agtgaaatgg caaaactgta 240
 cagagccctg actttacatt tcactctgac agccagggtc ggaagcacca catggaaagt 300
 gctgtccata actgctcact tacctgctcc ttgctgacag ctcccaggat ctggctccag 360
 agagtggcaa aactgggaat ttgccaagg gaaattactc aggaccgcta ataaaaacgc 420
 cggcttctgc aacatgcata ttcccccagc cccacacctc atcttgccca gggcagacca 480
 ttcattaact atctgcgggg tgaacaaaga at 512

<210> 121
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA205376

<400> 121
 aagatttgaa ttttttttat tatcccagca aacattacac tagagaaaat gattgggaaa 60
 atacaaataa gttcattaaa aacacaggct gattattcat atctattaca ttcagaatta 120
 tgcgaaacaa ttagtatat tgcaaagctg taattctttt totaaciaag catgatttta 180
 taaaacttta atgttgccac tgattcaatt ttaatacaaa atacttatat acacaataca 240
 atataaaagt aaactgtgta gtgccttcca caaagggata tattaaggcg ctttacaaat 300
 ataccaatat tttagcccaa attacttttt gcttttagatt aaaatgaaca ggctaaatgt 360
 tccactttaa ataccaaagg gatgggttat taaaaatttt ttat 404

<210> 122
 <211> 282
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA205460

<220>
 <221> unsure
 <222> (1)..(282)
 <223> n = a or c or g or t

<400> 122
gattttattg gaaatacggg tctagagcta gtggaagaag ttatatattag gagtcatcca 60
caaagaggct tgagaaacaa atgaaaatgt attgagaagt gcatagagaa caatgttnag 120
ggggctgtgg ggaaaaaaca acatttggaa gataactgaa ggaaatcata gaggaaaaat 180
agtacaatct aattttttct cctaacctga aagcaaaacc actttttaata ctaaganttt 240
attatgatct ctccatgata ctaccatttt ttcaatccca ac 282

<210> 123
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA205724

<220>
<221> unsure
<222> (1)..(523)
<223> n = a or c or g or t

<400> 123
cccattgggt gacagcgttt attgaaagga aatcttgctt tatccaggaa ttcaactcaca 60
tggaggttagc tgcaaggaga atgtctcttt ctcatgacaa ccaaagcgac caaaccatac 120
cctaaagcag agacgcaatg gaataagtca acgggcattg tagaacgaca ctccagaagca 180
ggaaaaacca taaaagatac aggatgattg tctcttcagt attgcatttg gccatgtatg 240
tgttttttaca taaaatatat gttttctttt taagctagct aaagaaaata ctcttgatcg 300
gggttagttc ttaaagcaaa aaacagaaga aaagtatgta tatataatan aattaaagaa 360
cgatagcatg ttataacctg aaaggaccgt gggcactaat ctgcactttg ttccaggtaa 420
tccatggctc tgagagttag cacactgtca aagtcactgg ggtgagatga gccgggactt 480
ggaaaaccct ctcttaactt tcagtctcaa ctctctccac tcc 523

<210> 124
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA205947

<220>
<221> unsure
<222> (1)..(449)
<223> n = a or c or g or t

<400> 124
ttttttttta aacataacaa gttttcttat tctttattag tttaaaggaa gctagaacct 60
aataacaata cgccacatac gggtcagaac caaacaaaag ctgcttagtt atttattttg 120
catttgcatt ttgtaggaag tgagaaaaaa acagctctat tgggactcaa gtttattttc 180
aattaaaatc cccataaatt aggaaatgtc ttataaaacg gagaaattgg aaaaaaatgt 240
tattcagaaa aaaactttct tgagtgtgct tgtttcctgt agcaccttgg attttgtgat 300
cagtctttta aagatatttt ttaaaaaatt caacctctgt cttcacattht aggacagggc 360
ataacagtgt cttgtccctt catgcaaata agaggnaaaa ttataacttg cntagtttctg 420
agcattgaaa gcactcgccc caattctgc 449

<210> 125
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA207103

```
<400> 125
acgatagtta cttttgttat gtattttacc acaattttta aaaagcaaac caaaaccaac 60
caagagtgtt tccccacac ctcaaaatca tcctgcagca gctccctggc ccagctctct 120
ctcacctga cctggggccc ctctcccacc acccagggtt agccctgtgg accaaccatc 180
tctgccagcc cctccccgac cctccagcca gggagggtgg gcgctggcgg gtgaatgggg 240
caggccaggg ccaaaggctg gccaaagggt caccagctct ggactggggc tcccgtctga 300
ggtaggggat accaacatgc cagctctggg ttttagcttg aggatgggca cattcaagca 360
ctgacagcca gcaagcttgg gcacaggggc atgcttaacc tttaaaaaat cgggta 416
```

```
<210> 126
<211> 437
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA211300
```

```
<220>
<221> unsure
<222> (1)..(437)
<223> n = a or c or g or t
```

```
<400> 126
tttttttttt tttttttttt acaatctgga atatataatt ttnattagtt ctcagcagtg 60
cagtaaatga acaacactta ttaataatta atttgggaga gaatagcagg aggaaaaata 120
taaacagtag ctttttgtga ccatttttaa gtagctgaca tctcagtatg tttctggaat 180
gaacaaatta aggggtgtatt gtatatagtg atttaaataa tcagctttct tatagtctta 240
tcaactgaga ttataaaaatt gtaaacacaa tttttccatg tttacatcta ctagctttca 300
tttgacacac ttaaacacata cttttccatt atgtagttaa ttcatttctt gagtgcctgc 360
ctgccattag atgccagggt cttatctaatt tttccagtta gttactgttc agcttaagtc 420
actctacttg gttggttn 437
```

```
<210> 127
<211> 587
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA211443
```

```
<220>
<221> unsure
<222> (1)..(587)
<223> n = a or c or g or t
```

```
<400> 127
catttagtca aatattttatt tgaactcata caaagttagt tgacataatt taaaagggtga 60
agaactaaaa cgcattccaa atattgacca aaatactgta ggaagtagct tgggaaactt 120
ttcatcaaaa tcgttaggca cattgccata tcattctcca taaaatcata tccctcctca 180
aaaccacacc ctccagggtg tgaatttatg ggctaatttg ttctgtgagg tgccaaaaat 240
gaagataaag taagaaatac agccaactag aaggaagaga tataaatgta caaacaggcc 300
atttctgcta gagtctcagg cattcaggag gttcacatc atcatacaaa tatataaaat 360
tttagtgagc tattgaatcc atcttctgcc tctttatttc ttcacatcaa tccttttttc 420
ttcctactac tggtcagctt tggggacata ttttaggttc acttttaata ttctggattt 480
ccgatagatt gactgcaggn ccgggagggt cctcgctccn ggaattggct tcttctcctc 540
atccgagggt ggaggacacc ctctccact tcgggggaca ttcttttt 587
```

```
<210> 128
<211> 348
<212> DNA
<213> Homo sapiens
```

<220>

<223> Genbank Accession No. AA211835

<400> 128

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gttgtcacga ttttcattta gcgtttgccaggctgccat tgcaagacac aggagcgaag 60
gggttgatct ctaatagcca aagtgtgtga caaatgagaa ttgaactgtg tcccagaaca 120
tcctcccgcc ctacacatag aaacctgggg tcacctccct gtcctcgact cactgtgtga 180
cttcaggcag aggtcaccac cctctctggg ccctttcatt ctctgctatg gactgagtgg 240
gaccagcttg gatcaaaatc ctcaaacctc atacaacact gtcagcagct tttcctgtat 300
ctgcctgtta cctgaactat taacagtttt ctttaaattg gtcctttt 348
```

<210> 129

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA214688

<400> 129

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gtttgttttg tgggggttaca cggggttcaa catgcgtatc gaaaagtgtt atttctgttc 60
ggggcccatc tatcctggac acggcatgat gttcgtccgc aacgattgca aggtgttcag 120
attttgcaaa tctaaatgtc ataaaaactt taaagagaag cgcaatcctc gcaaagttag 180
gtggaccaca gcattccgga aagcagctgg taaagagctt acagtggata attcatttga 240
atttgaaaaa cgtagaaatg aacctatcaa ataccagcga gagctatgga ataaaactat 300
tgatgcgatg aagagagttg aagaaatcaa acagaagcgc caagctaatt tataatgacc 360
agtttaggaa aataagagct ca 382
```

<210> 130

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA215379

<220>

<221> unsure

<222> (1) .. (477)

<223> n = a or c or g or t

<400> 130

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actttttagt agagacaggg tcttgaaatg ctgcctaggc tggctcttaa ctcctggcct 60
caagagagcc tcctgcctct ttttttcctt ttaaaataag aactatcact gttttcttct 120
ccttcctttt tttttttttt ttttctctag caactattgc caccctggcc ccaaaagtta 180
tttatagagt acattggtag taattatact tacaatttag tccatggagt gcaggaccat 240
gaggaactat agctagataa gattgtgccga gaattagaag aatagacatt ttactttcag 300
agaccatgac taaaagaata ttaacaccaa gatgctcctt ccatcagctg gatgtacctt 360
tgggcttgga aagatggcaa gtataggagt tgtactggaa cggctggatc aaatagggtt 420
aaggcatttt tgtcattgta catgtgggga aaagcaacca agtaataaga cnccacn 477
```

<210> 131

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA216589

<400> 131

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cacaaattta agtttggttt atatatttta ttgacatggg tactcaatgt ccacatcatt 60
```

```

ccatctgcat cgtcttccta caaacagttt ttcttctact attcgggtat ttctcctttt 120
tttgtttcct atttcagaat caaattttatt ttacttgcaa agtcagtgga atatgggttg 180
gaaccagtag ggcctctaac ttaagcccag aacctgtcaa agagaagtgc agtatcattg 240
ctaagacttg aacagtttat ctctcagaat cttcagttcc tttgaatttc tcagctctta 300
gtgtaatctg ttttatgtgt ttgttgtaga cttccattta tgggatagat ttccaaaata 360
attttgggta atccaactgg gtatttttagc attcccg 398

```

<210> 132

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219100

<220>

<221> unsure

<222> (1) .. (378)

<223> n = a or c or g or t

<400> 132

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tttttttttt atgcttgaac taattttattg atgagattct catttctgta gtataaaagg 60
aaaatatattt gcagttatct cgtatttgaa agactttgcc atagagaact ttatcagaaa 120
tggatgaact tttcattatt tcttataaagc atattgggtt tggcctgctt gagtttataa 180
cttttttttg tagacntaga atgttaatat ttagataaag aaaatatattt acngaagaca 240
ttaccagaaa gtaaaataac ttgaacattt cngtatttagc ncnttatcag agaataacat 300
ttatttttatt tggaaagtgt tccnaaatat gagacnatch gcnattttctc agacnaagtg 360
aaaaatttaa taaaatag 378

```

<210> 133

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219304

<220>

<221> unsure

<222> (1) .. (444)

<223> n = a or c or g or t

<400> 133

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gcttgggcaa aagtcttcag aacaaaggct gtgagcaggt gttgccctgg ttctgccat 60
atcgctcccc aaagggtgctg taggagccat catagtgttt gtagttcaac tgtctctggt 120
aaccagtgtt gagatagcca atggcttgga cttgacctct ggagtaagct gctgtgtttc 180
atttagataa tccagtacat agatgttagg agcaaagagg accatattct gctctccaca 240
gccatagggc atctggagaa gattttgtgt gttttgcatg gcagagctac atatgtctcc 300
caaaactgag acagaagctc gggcagattc ttctaccaca tttggtggca gtttcaggga 360
taattcttca gaaacctcan cacctgntgg acnaagtagg gagttgaatg ttgtttcctt 420
ctctagtctt tcaggttcaa ccaa 444

```

<210> 134

<211> 341

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219552

<220>

<221> unsure

<222> (1)..(341)
 <223> n = a or c or g or t

<400> 134
 ttttttcagtc atgatttggtt taaaagttta attggagacn ttgccggtgg nnaacaaaat 60
 ganggcatac aactgtcaca ggcagggcag taagtacaaa gtctagctgt aaaaaccgtt 120
 tgaaaatata aactcgtttt tggaaatacat gtgtcaaagg ctgcccatgt taataccttt 180
 ggtataaaac ggtaacgatt cccttgacaa acccatccat cacctgacgc acattcacat 240
 ctcttggtta ctactctacc tagtctagtc tcaaccaccc ctgtcagtca cgactcactc 300
 ctgttccttt gcaggtgcag aggagcctgg gaggtaggtc a 341

<210> 135
 <211> 323
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA227926

<400> 135
 atgtaaacta tcaaatgttt atttaaattt ccattttaaaa tattttcaag taaaatatgt 60
 acaaaaatgg ttataaaatg gttgaagcaa ctagaagcgt gacaggtata atacatataa 120
 atacaaccaa aattcaattc aatgcaaagt tgaatgacat catattgcac caaaatttat 180
 tccatacaaa agcacatgca tcaagagttt ccataagatg aaaacaaaca cacttacttc 240
 atagcatctt accacttact tacacaaata gcccataaac accatctggc attgtgattg 300
 cagtaccaga actctcccca gag 323

<210> 136
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA227936

<400> 136
 tttttttttt tttaaaaaca gaagcgcgac catttcttta tttaaattata caaaaggggtt 60
 ggggaggggg gcagctgtgg ggctcggcac accccgggcc ccaccccggc ctggcgctgt 120
 ctgagaagag gggatctgag ggagatccag ggatcaggca ggatagggat ggggcaggac 180
 atgaggctgg gggatgcaga ggtaggtgg gagaggctac cggagtaaga atgaggctgg 240
 taggggaggg agaaagagag caaagagaga gaggagcaat tgggggcccag ctggagagct 300
 cagatggagc aggtcaggag gtggaacaat ggcagagtga gggtaggagg cgcagtgtct 360
 ggagaggcgg aaatgagaag gctggggaga aagaagaggg tggcagctct ggtgcagggc 420
 ccagagcagg gagccagggtg aagagtggct ggactttgct gccccacc 469

<210> 137
 <211> 328
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA228020

<400> 137
 ctacttcgct tccgttcctt acttttgctt ctctttcgct catgactacg acttctgctc 60
 ttgctttttt tctctttttt gctacgttct tcatggccgt tggactgctc aacttggtct 120
 catcctaagc agggttgata gaagaacatc atgaggacga agtggttaaca tttcaagttg 180
 tcaaagggta aagggaacag gaataagaaa atacaaaaca attttaaaac taattattta 240
 cttatagttt aacatggaag gctataaaaag aatttagatg ggtatgtgtt taaccacttt 300
 gttgcttaca ttttaagtcac caagatac 328

<210> 138

<211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA232266

<400> 138
 atttttctac tttcttttaa tatcattttt taaagttggt aagcagctag acatcattta 60
 gaagcagacg gggtaaaata gacaagaaat agcaaagaca catccttcac atcgtacaga 120
 actgtattag tatccaccac caccatcaca ggggagggct agctgtcact ggggtcagga 180
 gtactctcca ttattgtgca ggggaccaga cagcatttag gtgtgacgat gtcaaactga 240
 gtggacatag agagtgcggg gatcaaggct tacagttttg gctctagact tgcgtgaggg 300
 ttggttactc ttaatctctt ccaggctgtg ctggatccca tagccgaagt agatagcaaa 360
 gccaatcagc atccagaccc caaatcgggc ccaggtagca gctgtcatct gcatcataag 420
 gtaaattatc acagagatgc tcattagtgg gagggagaggc aa 462

<210> 139
 <211> 401
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA232508

<400> 139
 gagggtagac cgggggagag gagaggagag gagagcctct ctgtgccttg gtttccatt 60
 tgtgcattca gggcctctgc aggcctcacac agggagtctg aggggatagt gtttaagtga 120
 gcactcaggc ttcctctgag gaaaagaaat gaccaaagtg cagactttta ttactgccat 180
 tctgtctcct aatgggagca ggagtcaaaa ggaaaaacaa attaaaaggg gctaattgaga 240
 aaggaggaga gatgagacag agagtgtgaa gggctatgag cgtggcatct cataaattct 300
 tattgagaat ggcacaggta ttaaaaaagt ttctgggtag tctacgagaa atgtcaatta 360
 ttatctctac tacaactact tacatatatc taatgggaaa a 401

<210> 140
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA233347

<400> 140
 gctgcaaaca tgcagagatt tcatttatatt tgtttggcac atgggaacta cattttgttc 60
 ctattatctg tgtgtttcac tttgctgtgc agattttcat ccaatttttt tcaggggagg 120
 gcatatacat ttgtagggtc gtatctatcc aattctgcct gtaacaaaca cccaaacatc 180
 ctaaaatatc aattataaga cagacaagtg taatgtaaaa ctctggagaa catcaaagaa 240
 aaatggccat gcatctgctc tttaatgttt tctacgata tattaaaata aaaacaaagt 300
 ttcagtctct tcacaagaag taatttatat tctctgaatt ttttcagcca caacaactgg 360
 attctctttt ctgatttttg ctgcagc 387

<210> 141
 <211> 182
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA233545

<400> 141
 tatgagtggc cggcagacag ctatatattg tgggtgcctg acactcacga accgccagcg 60
 tgggcgctgg atcttgccca gctgccagct cccccacca ggactgtggg tctcagttt 120

ctcctgccag ccccggtca tctcagggca aagctataga catggtagat ctcacgagg 180
ag 182

<210> 142
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA233854

<400> 142
tttttttata aaaatgtgtt ttattgtttt aaaacaagtc tataaaagta gaaatcacat 60
acaaaaatac agattactct gacatgttgg caaaatagct tatggctgga cttgagtttg 120
gaagttctgt atgtttgagg gcatccgatg tcagagtcca accggatcct aaccccagct 180
cttgctacta atctgtaaac aataatttca agtagtatatt agcacttttt aactattaag 240
aaa 243

<210> 143
<211> 217
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA233935

<400> 143
tcaaaaatac ataaatcttt tattgaaagt cactttacta atgttacaat gggagtaaca 60
tagaaaacca tggatcttta ttagcttccg aagtgaatac taataaaaact gtgccagaaa 120
tttgaacctt aagttacagt gacctttaa aacatcaaga ttttgtttac ctacaatgta 180
agaacaattt tataacttga acagccataa aacaaat 217

<210> 144
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA234095

<400> 144
attaatgcaa acatattttt attaaagaat gaatgcattt atgctaaaga atagcttaca 60
tatgttgtaa agcaacaagc atatcttcaa gaagtgaagc ctctcaata tgactccatg 120
cttattctac atgcctgaaa actgggcca cacacagggg cacacgtaca cgcacacaaa 180
cgcagatagc gacacacaga tatgcagacc gaaatgctga caccatcgct ctctagattg 240
gattagctct catttaaggc ttcttaggtg ccgcagtgcc cctaataatta ccaggattga 300
aaacagactt ttaggaagga gcagcattac ttcgaaaagt agtcatctgc tcttgctctc 360
caatgtgtgt attttaacaa ataccattta attctatgtt gac 403

<210> 145
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA234634

<400> 145
cagctcacgc gggacctggc cggcctcccg agtctcttca agcagctgcc cagccccgcc 60
ttcctgccgg ccgcggggac agcagactgc cggtaacgcg cgg 103

<210> 146

<211> 185
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA234831

<400> 146
 tttttttttt ttttttttcc aatttttaaca tagaacttta ttgaaaacac agactcaaat 60
 agagaaccat atattttaaac aacgaatagc agggtagctt acttaggtga cacagttcat 120
 tgaaaactta atactgaaaa ataccgcaat ctggacagca agacaaatat caacaaatgt 180
 gtttt 185

<210> 147
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA234996

<220>
 <221> unsure
 <222> (1)..(291)
 <223> n = a or c or g or t

<400> 147
 ttttttgaag cttcacacct ttattgtgtc cgggggctgc cggggcctca ggggtgttcg 60
 tagcccggtg cgagagggtt cacgtggcta ttgtggaaca gagtgtggtt gccgtcccc 120
 caggggtagg gcttgggtgc gatcggaggg tggtggtagg gacggaactc ggggcgcggg 180
 cggtggccag nantggagat aggtagtga aggtgcagag ggccacgctg ggcagcgcag 240
 catcgaaggc cagcagacgc caggtacgag ctctgtctcc tccgtggcct t 291

<210> 148
 <211> 139
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA235310

<400> 148
 tcaacaata tttattgttc atcaaagacg agccagattt tatgggcatt tgtgatggag 60
 gctggcctta gctttaggag aaggaactcc aagagcagta gtgatctctg agatcacctt 120
 gttcaccttc ctggggca 139

<210> 149
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA235618

<400> 149
 acaatttaac aatttattac attacagtgg catcacacca gcagtcaata aggccactct 60
 agggaaaaat ctttcagtat ttccatgaca cattctgttt acaataattc ataaactggg 120
 aaaattcatt ctaagaaaac ttggcaaag aaactttgga ctggaattgg catttctttc 180
 tctgcttttc gttcccacca tttctttctt ttatactaca gtattcatat tttaaaatgt 240
 tttaaattat ttcagaacat taagatagca gttacatttt ttaatagtta tattatttta 300
 aatgactct ttaaaataaa gtttttagaga aactatatta tggatagggc tgattttacat 360
 tttcaaattt tctaaaatca gc 382

<210> 150
 <211> 175
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA236241

<400> 150
 tttttttttt ttttttttcg gcggtcaacg cgctttattc cgaggggctt cagatacaga 60
 tgaccccgag cctgcatccg cccggaagcg tccccttact cccatggggc acctcgatac 120
 cagctgccct gccctgactc acttctcagc acccatctta cggcagtcgg ccttg 175

<210> 151
 <211> 519
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA236286

<400> 151
 tgctttcttt ttcttttttt ttcaataaac aaagttttct cgctttctgcc acaatagtaa 60
 aaccatctga tcttgacaag ataatgggtg cgttgacttt gcttttttct tgtccgttg 120
 acaaaattgg ccaagaatat aattggactg ttatgaccaa taaaaacgaa gtttaggtca 180
 agtcttgtca ggatagcctg actaaaaaca tctggctcct taatttaaaa tagttcagac 240
 aaccagattc ttgctgtggt ttatgttagg ttaacacgct gaactttaag aagctgtaga 300
 ctgcagtttg ttgttatgag acctgctagc tttgaagcct ttcaatttct gtacaaagaa 360
 tgattcgaga acttctgcac actggtaaaa tggggagtca cttggattgt agtaacgaca 420
 gttatcaaaa attttggtca tatctgccac aaattccgtc agcttttcat aatatcgtct 480
 ttgtactctt tcttccatgt tggcaaggtc cataggttg 519

<210> 152
 <211> 539
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA236453

<400> 152
 agattggacc aatctgaagt gggcaattat aatgggtata ctgaagatta tataagagta 60
 tcattgtcca gtatttataa aagaaaaaaa taataatata acctatggga tgttagtcca 120
 ttttgtgctg ctagaaggga atacttaaca ctggcaaat aatacagaaa agaggtttat 180
 tagcctcagt tctgttggtc atacaagcat gacatcaaca tctgcttaac ttctgatgag 240
 gcctcaggaa gcttttatgc ataataaaaag gcaaaggggt atcatggcaa aagacaaagc 300
 aagaggaata tcagtttttt gtttggttgt ttttggtttt aacaaccagc ttccacatga 360
 actaacagag aacacactaa ctgcagtggg aagaacacca atccattcat gagtaatcta 420
 caccatgac ctaaacacct tccactagac cccgcctcca acatggggga acacatttca 480
 acatgaggta aggcacaaaa aaccaaagca tatcacataa aaaaaacctc cccaagttg 539

<210> 153
 <211> 401
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA236455

<400> 153
 tttttacgaa accaggttta ttaaaatttc tctacaagtc agaaacggcc atctcactgt 60

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tcacatatat acacgtatgt acaggaagaa cctagtgttt ctagctttcc cggcagaagg 120
ccctgccagc ccagagtcct tagtcggata atgtatcaca gatacaacag tcgagcaacc 180
acgagagcgt tagtgcgaca gaggcctctg tccctccctct tctcaaagtc ccatgattct 240
gtcaaggtaa tattgccaat aatcattcac atttcacgtg gtttttagaca cgcagggttat 300
tcagacagac acagacaaca aaacaagcct caaagccaga acaaaacaaa acaaaaccaa 360
atcgaacata ggtataaaaag gtaaaatata tgtacaaagt a 401

```

```

<210> 154
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA236476

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```

<220>
<221> unsure
<222> (1) .. (533)
<223> n = a or c or g or t

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<400> 154
tttttttttt ttttctcatc actgagtatt tattatatat aacaaataca tgggaaagaa 60
aaaactatat tgtgtgatat aaatagttta ttacattac agaaaaaaca tcaagacaat 120
gtatactatt tcaaatatat ccatacataa tcaaatatag ctgtagtaca tgttttcatt 180
ggtgtagatt accacaaatg caaggcaaca tgtgtagatc tcttgtctta ttcttttgtc 240
tataaacttg tattgtgtag tccaagctct cggtagtcca gccactgtga aacatgctcc 300
cttttagatta acctcgtgga cgctcttggt gtattgtctg aactgtagtg cctgtatttt 360
tgcttctgtc tgtgaattct gttgcttctg gggcatttcc ttgtgatgca gaggaccacc 420
acacagatga cagcaatctg aattgttcca atcacagctg cgattaagac atactgaaat 480
cgtacaggac cgggaacaac gtataganca ctgtagtcc ttttttcaca gtg 533

```

```

<210> 155
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA236477

```

```

<400> 155
tttttagttt ggttttgatt ttaaacattt tattattgaa atttcaaaca catacaaaag 60
tagaaatatt agaacaataa gtctccatga acaaaacact ccacttaaat tatcaacatg 120
ttgccaatth agtttccagc tctctttgcc aattattttt cttttgctag aatattttta 180
tccaaatgtg tctatcttca tttcatagta tgtatctcat atcatacgat cttttatttt 240
ttataatcac actgacataa tccctaacca aattaatata tgtaaataac atttaatttt 300
tagtccatgt ccacacttcc ctactgtctt ccaaaatggc tttttatggt ttgttcaaac 360
caggtccaag taatgccaac atactgaatt tagttgatat gtc 403

```

```

<210> 156
<211> 308
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA236545

```

```

<400> 156
tttttttttt taacgttttc aaaatctatt tttatttttc ttcagtatta cctgctgttc 60
ccaagtggct gggtaattcta tgggttatat tttcattttac cctcaaagct aggctgccag 120
tggaagctaa gaataacaca attaaattca agtttctcta gaaaatatga caaatcaaat 180
tttaagaaag tgtaacttgt ggttttgctt tggttcaaga tggctgatct gagaatatca 240
aagcatttaa ttcaaactaa tagtgtgtcc tcctcctagg actagaaggt aatttttctt 300

```

ttaaggag

308

<210> 157

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA236822

<400> 157

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cagatattat ttaaaagatt aattaggatg tttattttatt tattttttag agatgggggtt 60
tcactatgct gcccaagctg gtctcaaact cctggcttta attaagtgat tctcccacct 120
cattctccca aaaggctggt attacaggta tgagccacca cgcccaggct tatttttaatt 180
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ggcaaatgac tgacagaaga tcatatgtca caatttgagc tggactatcc ttagcaagaa 300
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acattagttc atgtctgaat cttttaagggt ggatgcacaa atctcaggaa agttttgtac 420
tttacaaaac ttactccat ttctcagctt tttgcatttt tcacaactgt acatattgtc 480
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<210> 158

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA237011

<400> 158

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cggcagcaac tcctttcctt tatttcttcc ccttgtaaag ggaaattcaa gttcagcagc 180
attcctttcc tgccccaagt cctcaaccag acaagaggct gcaggcacca aatcttgggc 240
tggaataatgg caaaggcctc agaagctcac ctccagctct gagcttcaac agctgtttgt 300
accagtgagt cagcattaaa tccaccagaa aagaacagca ccacccaaag actggggggc 360
agctgggcct gaagctgtag ggtaaatcag aggcaggctt ctgagtgatg agagtcctga 420
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<210> 159

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA237034

<400> 159

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gttggaattt agaccacaat cactcccaag tgtcttcaca gttcagacag gcaaactatt 180
caaaaggcgg cctctggggc cgctctctc tttcacacac acacacactt gcaggctgtg 240
ggaatgctgt tcagccactg agcgtggctg gctcatgtca ggtactgcac cacgaggaac 300
atgaccacac aggtcagcag catcccacct atcataaagt acttgctctg gaaagccgc 360
ttctcgatga gccgcacac tgtgttggtg aagcccagca tgttggaat ggtaaggatc 420
ttcttctgag tccccttcaa ggtcagctct tgggtcctca gtccatctaa aatattgtgg 480
ccatctaaaa tgaggtcatc catgccgttg ggaccttcg gaaggaagga gttaaaactgc 540
agtgaatt 548
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<210> 160

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA243416

<400> 160

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ctctgtataa tatagcacia tggaggtggt tctgatcaaa attttactcc tattttccat 180
ttgatttagc atttaattgt atattaggat tgccccgctc ggttatgctg gtgatatcag 240
accctactac ggcttggcca gtcacatggc catgaaaaat agacttgact gaattgaaaa 300
aactggactt tccagaccca actggaccca ccaaaagaat acgaatttct gaaaccaagt 360
ctgcataggg cctatagtct ctgatgtctg ctagaagcct atttctgtgc tctctggctt 420
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<210> 161

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA243698

<400> 161

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caataaactga aattcatcta cacctgaata aaacatattt aacaattgaa aaaattttta 120
acaaccacaa aaagtaaaaa ctttaaacia acatgaacag gatttgtttt tagggcacac 180
aaaggccccct gcagcagatt ccaacagtag ctttactggg gtgtcttcta cagatgagtt 240
aaagagacag gctgagctcc acacaggcaa gatgactaac agggcgacag gacagtcaca 300
cagggcggag tgccacaccc ggctataatc cccagattcc actgcagagc tggctttgtg 360
cgtaggaggc acacaaagaa aggtgattca ggcagacatt attcaaaagc tacttcgctg 420
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<210> 162

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA243763

<400> 162

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tgggaaataa ttttgacaaa atttcatag gtaatgaagc ttcatatgcc cttactgcct 180
aattaaaagg cacctaataa ccaattttat ttgtattaat tgtattggga ataattttct 240
ctaacccttct acctttcata aggaaaaata caatccgtga acacctagat ggttctgttt 300
tcaactgtatg gcacaaagta tcaatgattt aactgtggag agtagtatca agtagaga 358

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<210> 163

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA247204

<400> 163

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acacaagctg ttgtcagtgg ccggagaagt agaccccgctg aaagagaccg ggaacgagag 120
cgagaccgcc ctagagataa cagacgagac agagagcgag atagaggacg tgatagagaa 180
agagaaagag agcgattatg tgatcgagac agagaccgag gggagagagg tcgatataga 240

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agataatggg cttttggaag cactgattgt ttaaagatac aaaaaatctt gtatttt 297

<210> 164
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA248555

<400> 164
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tctcacaggt agaatgaact gtgtactggc cacatatgga agcattgcat tgattgtctt 180
atattttcaag ttaaggtcca aaaaactcca gctgtgaaag cacataatgg attttaaact 240
gtctacgggt ctaacctcat ctgtaagtcc catgcctgga gaagctaata ccacctaata 300
akgtgataat tcaatttgta caataaatta tgacctggaa aa 342

<210> 165
<211> 377
<212> DNA
<213> Homo sapiens

<220>
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<400> 165
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gocgcagcgc cgccccgcgc cgtctctctt gtccctgggc ccgggagaca aacttggcgt 180
cacgccctca gcggtcgcac tctcttctct gttgttgggt ccgcacgta ttcccggaat 240
cagacgggtgc ccatagatgg ccagctttcc ccgagggtcaa cgagaagaga tcgtgagatt 300
acgtactata ggtgaacttt tagctcctgc agtcctttt gacaagaaat gtggtcgtga 360
aaattggact gttgctt 377

<210> 166
<211> 458
<212> DNA
<213> Homo sapiens

<220>
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<400> 166
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gtcccgactc ctctcgggag cctggaggag tcccggtagc gaatagatca gatgcctcat 180
cctcgtttcac cccaaaaggc tgagaccctg gtgtgtcctc ctcgaggacc ctccctgttt 240
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aacctaacca agttttttta agaaattcgg gggacgaagc aataaccgct tggccccctt 360
gaaagtttctg ttcaaacttt tttcaactgt aaaaaactgg ttaatctcaa attgtaaaaa 420
aattttttcc ccccttattt tgaaaaaatg catttttt 458

<210> 167
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA250958

<400> 167

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tccctcccac tgtgctcctc aggcaataga tgattggcta tttctttacc tcctgttttt 180
gcctaattag catttttagtg agctctctga ttggttgggt gtgagctaag ttgcaagccc 240
cgtgttttaa ggtggatgcg gtcaccttcc cagctagggt tagggattct taatcggcct 300
aggaaatcca gctagtcctg tctctcagtc ccctctctca acaggaaaac ccaagtgcctg 360
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<210> 168

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251769

<400> 168

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agcctcaaaa aaataaaaaat aaaaaaatta tccagtgggt atgaggagtc taggaaaacc 120
tgtcccagta atgccaaactt ggaggtgaag ggctgactgg ggcagctgag aagtgggacc 180
ttctgttttg caggcttctc ctcccttgcc tggctcatgg tttctggtga gaagagtgtt 240
cctggccttg ctggaggttc ccatggcccc gaactaacag tgtttttctg aaatttcgac 300
ctgctccgtt tgagagagta gaattccctc atcaagtctt ccacctccca ctgctcttcc 360
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<210> 169

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA252219

<400> 169

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caataataacc agggagctga gtaatctaata acaaagcaag acaaagccag ggtcactgga 180
agcagcagtg gtctttctga ggaagttgca gctgatcacc aacctgaatg aagtgatgta 240
atggaaaata gaagtgtttg aaggaagatt gcttttagtaa ctgaggagga gagaggaaag 300
aggagaaact gcacaagtgg gtagagatgg gaaagtccat ggccatgagg gaaggtgagg 360
aagttgactt ttattttcaa tgtgccgtg 389
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<210> 170

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA252528

<400> 170

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cacagggaag ggtctggaag ggtcttgagc acagtgcctc catgccccct cttcgtggaa 120
ttagggcaca ctgccctgcc ggcatagcca cagcttcacc acccaggaag ctatgctgag 180
ctttagtgtc cagagttttt attagggttt catgatgtac tgattaaagc actggccaga 240
tgattaaact cagcctccag tcccccgccc cataggtcag g 281
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<210> 171

<211> 412

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. AA252802

<400> 171
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aggttccagg tgctgaaaat gaacaattac atacaggaat agaggcctac tctgcactta 180
aaaatatctt caaaaaagtt gctggtcaag gagtatgcag caatggtcct tcctgttgtg 240
aacattgagt cctagtgggt gaggtgtggg ttgttactat taaaaatcct tgttgatttg 300
ggcacaagat agactgaaat tgactgtagt cctcacggtg agtctaattg cagcaacatg 360
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<210> 172
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA253361

<400> 172
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taagaagcta ttttattgat acgagaatta acaaaagttt aaccattgaa tatatgaaga 120
acttctacaa atatatgaag gaaaatgtaa acaacagaga aataaaccag catctcacag 180
aagagaaaat acaaatggaa aataagcaca taaaatgttt agacttacta atattcaaaa 240
aatacaaaagt aagataaaaa taaaatacc cttttatagct tctaaatttg ccatatgaag 300
aagtctggtt gaggagaaaa taggttaaag gaactcataa gttgctgata agagtttgct 360
ttggaaaaca atttgtcatt ccttgtaaag ttgaatattt gcataacccta agacttcc 418

<210> 173
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA255480

<400> 173
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tgcagattct ggaggggtct cgctgcca tcgctggcag cccgagatcc tggggagggg 120
atgccatact gctagagatg agggaagaga gcccacagca ggaaaacatt gatttgctgt 180
acactcaaag ggcattctcat gccttcagtc caccgcctcc tcggggccaca gcccgtgcc 240
tcgcgcgggc tcagactagc tctggccctg ctgctgtcgc tgcaggttgt cgtcttcttc 300
ctggtggtcc tcgggcaggg gcggct 326

<210> 174
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA255966

<400> 174
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cagcaagata taggttctt tgggcatgtt ctgacatgct tgtctgagtg aacttacacc 120
aagtaacatt ggccctcagg tcaaatttct acaattagtc ttccaacacc cattttttat 180
aatgtcacgt actcttcaag ttcttagaaa acacccccca acccccccca aaatttacat 240
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ggtctgcctc aggttatgg gcagctgaga cagcccatga ctgttggtgc ccatctgtaa 360
gaagtagaaa ctactgggtc agtcaccacc attgaagaat actgtagctc tacaacagca 420
aatgggcatg attttgatga a 441

<210> 175
 <211> 410
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 175
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 tgaagggttg caaagggttat ttgtgtctta gttatttctg cacttaatga cacatcagac 180
 gcattgagta tatttcataa gttgttgact agcaaagata caatcattag taacccaagt 240
 cttcaaaatt cacaccaaac tttatgaagt cattcagaaa gagaaagtca atcctaaaat 300
 taaaattggc aactatgata aataccttca aaaggatgta gatgtaatgg agatgtttta 360
 aagtttagtt tcattaattg taaaattagc atgttatatt tactcaatat 410

<210> 176
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA256294

<400> 176
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 cgccccgcgt cagcgccctg ctggacggca cttcagggca caaccacac gcgtcttttg 180
 acttgcagac attccgcgag gcttctggcc tctcgaaggc aaagcttttc agcgatttca 240
 ttaatatattc attacgtga gatgagatga aggcagatgc tacagaaata tgtcagttta 300
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<210> 177
 <211> 159
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA256486

<400> 177
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 ataaggggaa aagaaaaaca ttccaaatat gtttctggt 159

<210> 178
 <211> 196
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 178
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 aatgtgtatt gaaacc 196

<210> 179

<211> 284
 <212> DNA
 <213> Homo sapiens

<220>
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 ggaatcggta gcctctttgg tatggccact atgggtggtag acactgtcta cgttggttgc 180
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<210> 180
 <211> 423
 <212> DNA
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<220>
 <223> Genbank Accession No. AA258585

<400> 180
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 ttacatttct ccccatctct ctgttcaatg acagcatgta ggtagcttaa aataaccatg 360
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<210> 181
 <211> 319
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 181
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 acagccatca gcctcgaggt ggggatgaaa ggagatgacc tgggtggctgc gtgacagcca 240
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<210> 182
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 182
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 gagtaatcaa tctggagatg caagttaacc gaagtgcac tgccaagcca tcagcgtgag 240
 aaaaaaaaaa caccagaagt tgcctccaga taacgatgta gtggcagcat gataactggc 300

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<210> 183
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA262107

<400> 183
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 aacccacat aaacatttaa cactataaac attctaagca tacaagagta gtattctagt 180
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 atgccaacac acattcatga aatgggatac ttatgggcac aggtatttaa aactggaaca 360
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<210> 184
 <211> 221
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA262349

<400> 184
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 tgctttataa tataaaagaa aaaatcaaac aaactagcat attagaacca ctttttggtta 180
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<210> 185
 <211> 337
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 185
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 ggttctcctt aaacaatttt aatgtctggg ttggggaagc aggtagagcg cgtagaggca 180
 gctgctagag gctggttgct gactccaggc cgcgttccag gaaatatcgg tgggaagaac 240
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<210> 186
 <211> 281
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 186
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tgctgcttct tgggtggccgc cttgctggcg aggtccttgg ccttctctgt agctgccagt 180
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<210> 187
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA278757

<400> 187
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ttctccccc tccacctccc caagcccctg cccaggtat gtacaataaa taagattaaa 180
aataattaac aagatgcgtt tccccctccc acccgacgcc aaatgccctg cggaggggaat 240
ggccttttagc aaagatcttg gcctgcaggg gggacttggg gggaaggggt ccccgagctc 300
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<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA278767

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atgtttacct atgaggtagg ggtaagaggt tagatatggg agtaaggact ggagattaaa 180
a 181

<210> 189
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA278887

<400> 189
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atatttcac tttgggtgtc ttcagtatca ctaggacagg tcttagaata agtttccttt 180
tatgcattct cgtttggcac ttgttgggct tctgaatctg tggattacta ttatcgatta 240
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gattttctcc tacaggattt tttctctttt gtatctttca tttcgctctc tgtgatgcat 360
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aatccagct cactgcctgt ttttgtaaac aaagctttac tga 463

<210> 190
<211> 170
<212> DNA
<213> Homo sapiens

<220>
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<400> 190

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<210> 191
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA279313

<400> 191
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ctttattctt gttggtttgc tttgaatccg ctccgtgtaa agtcagctaa ctctctcgg 180
cacgggcgtc cggctgtcca aaggctcctc tctgtttggc cttggaatgg aggatgaaac 240
aatgtctttg ggctctccct cccctcgggtg tttgtacttt tctggggccg ttgcgggggtg 300
gcaaccgggg gctgagtcct aaccgggtcc ttggggcaac cgtcgtcttc cagtgaagct 360
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<210> 192
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA279757

<400> 192
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agccctcaca ttctcttgat ggaaaaaagt tttgtcaacg atattttcaa tctgctttgc 180
ttttttattt ctgcctagct gcatttttat ttcactactg ttcattttgt tctctaggag 240
tcgctgggtg tgatgttgaa aagttacagg atctcttcca ggaggaggat ggcagtacag 300
cagcttacca ctgacatagt ccttcaggat gtacgcgcga gatcgaggct ggtctgggtg 360
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ttctaaaaca tgtcttgga tattctggca aac 513

<210> 193
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA279760

<400> 193
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atgcaactag agaacatcag ataaattata gtaatttggt tttaaaaatc cattaaacta 180
tctcttacct ctgcaataat gtatcatata tgcagttaca gaagttagta gggaaaagca 240
tgatcttcct tcccta 256

<210> 194
<211> 363
<212> DNA
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<220>
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 ctatccctct ctttctcagc ttccttagcg gactgctttt ctttcgtctc ccaaccactg 180
 cctgagtgag ctgattccca tgcaatttaa tgcattttt atgctgatgt gactgagcat 240
 aaaatttgta tgactagtcc agatctcttt aaattccaga ctacatttc tgactctatg 300
 ccacctccac ttagttgtct cacagacatt tcaaactgaa tatgtcctaa ataaaactct 360
 gaa 363

<210> 195
 <211> 337
 <212> DNA
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<220>
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<400> 195
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 ctatcaggaa ataaaactaa aaatgggtgc attgagtaaa aacaaaacaa atggggagaa 180
 aaaaattctc cgggtaaacg gcatttctgg tattctatat atatttttcc ttaaactgtc 240
 accttttctc tacattttta aagacaccgc gagttgctct caataagcac atcacttaac 300
 acttggccag ttgggtgggg tgccatgttc tgaagtg 337

<210> 196
 <211> 306
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA280297

<400> 196
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 tggcctctta agagtcatgc cacataaaga tgatgaactt gatgtcctgg cctgcctcct 180
 gtaacaatgt gaggtgttt tgggtacatg ctgtaataac aacaggacta tcacaggaaac 240
 aatgaagcag agaagcagaa ggtgcctaca aagttttacc taaatgtctt gtttgtcagg 300
 atggag 306

<210> 197
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA280309

<400> 197
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 tacaggcatg caccactagt ctgcgcagct ttttaattaga attttagaat tagaggagg 180
 ctagaactct gccctcattt ttcagtgagg aaactgccca agacaggaca aatacttacc 240
 ctaatgtcta gccctggctc agtgaaatta gctccccagc caaagctgag ctggatggaa 300
 ctaacaagga cac 313

ttaaaaagaa tccaccgcac gaaaggtaaa caaagcagac cctcagaaac tccctggcaa 120
 ggaagaaccc ctccccagat tggcccagtt tcaccagcaa ctggtctcag ctcagcctta 180
 tgcctttcca ctgacacccc ccaccctcc acattctcga tgattcagac caggaacttc 240
 tcggctgatt gtgtccg 257

<210> 202
 <211> 365
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA281591

<400> 202
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 ccaaaaaaac aaacatcatt ctttagcaaca tcaattactc ttccacacaa aacagaaacc 180
 ttgtaaaatt tattttcgtg tttttaaggc gtaatacttc cgtataaagt atatgcaaga 240
 gataaaactt cacagtattc caaaatgtca caataataat aataatataa tagtataatg 300
 aagcgctaca gttaattttt ctttttttga atgttttttt tctgttttaa ataacaaata 360
 caagt 365

<210> 203
 <211> 369
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA281599

<400> 203
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 gtagacaatt ctttgaggaa cagtaaatga ttattagaga gaaggaatgg accaaggaga 180
 cagaaattaa cttgtaaatg attctctttg gaatctgaat gagatcaaga ggccagcttt 240
 agcttggtga aaagtccatc taggtatggt tgcattctcg tcttcttttc tgcagtagat 300
 aatgaggtaa ccgaaggcaa ttgtgcttct tttgataaga agctttcttg gtcatatcag 360
 gaaattcca 369

<210> 204
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 204
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 aaccagttc tatttgatta actatgaata gcaaagtgtt gtgacttgtg actcacttaa 180
 atcaccatc tgaaattcat ttacaagggt tttacattaa taaaacagta gtgtggtaca 240
 tgtattggac tcagatgaag tctaaagtac actggactct agagagtgga ttacatacca 300
 acgaccaaga ttcaagtgtt tggggaaaaa aataccttag acagtctatg ttggcgtaaa 360
 cactaaaata aaagg 375

<210> 205
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA282739

<400> 205

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gacactattc caaagtctgg gcccttccag ccttccaaat acaagaggct ctgaaagttg 180
tatataccaa ttggacgcac aagacaaaaa tatgaacaga gccatgacat ttcattaaac 240
aaattgtatg taactgaagg atcctttt                                     267
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<210> 206

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283091

<400> 206

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acaaacttta tttgcatccc cattaaagga caaggccatg ctccatttct gatctgttcc 180
tggtgctact agaaactgag gctttcagac agatctgtgc agtgatgaga aggacaactt 240
tttgaaatgt ggagaaaaaa atatgacatc ttttaatgtc aggcttctta tctgagcaaa 300
aaaacatgta tcatcttttc tttttgtcag tgtgacagct ggatgaca                                     348
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<210> 207

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283772

<400> 207

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tattaaattt gaaagtcttc tgttccagac caaaatgggg taggctaatt ccctgtcatc 120
caagcaacta aaaggtaaaa accttataac tttaaaataa aaaaggttat ttttttcccc 180
tataaaagac aggcagtatg agttaatata ttaaaattat tttgtacatc cctgctccaa 240
acaaccacaa aaatggtact ttttaaattg ctgcccaccc tctcctggaa ggggggtttt 300
ccaagattcg gggtgactga ttcattccac agccccaggc agcagtttat cctggaactg 360
tcctctgttc tcccatcact gctgagccct gagaattgt                                     399
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<210> 208

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283774

<400> 208

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ccagattgaa atggtttgct atctgcttcg tatgtggcgt tttcttttct attcttgga 180
ctggattgct gtggcttccg ggcggcataa agctttttgc agtggtttat accctcggca 240
atcttgctgc gttagcagta catgcttttt aatgggacct gtgaagcaac tgaagaaaat 300
gtttgaagca acaagattgc ttgcaacaat tggtatgctt ttgtgtttca tatttaccct 360
gtgtgctgct ctttggtggc ataagaaggg actggctgtg ttattccgca tattgcagtt 420
cttgtc                                     426
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<210> 209

<211> 265

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283907

<400> 209

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gaggccccc cctccactag tgcagggtga ctgagtgtac aactacgggc caacccccgc 180
ctctcaaccg gaaggaggag cactcaaaag aggaatttag agaaaaggcg gagagggcgg 240
acctcgggaa agggctctgg cgga 265
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<210> 210

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284153

<400> 210

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ataaaacctc agcatttcaa aaaagcttat tccgctgcag gaaagaagggt ggacattttt 120
ggtaccataa taaatcacac actcacacat ccatattgct taggttgaag agaacggaat 180
gaacagagga aattttcttc atgaattgcc ctcccttcgg taccgcgcac gtttttagtta 240
cc 242
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<210> 211

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284777

<400> 211

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ctcaaagctt aagagtaaca gtctagagcc aagggttggga gtggggggcca ggcctcacac 120
agagcccagc ttgaggcccc tgagcccac cctcctttcc agagggaggg aggagacagc 180
tgagggggcc ctgaatcagt cctctccctc gtccccaagg ccagctgtgc caggcccctg 240
gagggcaaca gtcctgctg aggactgggg ggggaagcaa acaggtagga aacggaaatg 300
aggttaacaa ttacaccatc accccc 326
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<210> 212

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284879

<400> 212

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acaagtccat gaaagtagag aggaggcgcc agttaaggga cagcaacttc aaggagacgg 180
ttgttttttc gtttacatgt tgggacactc ccatttttct ggtttccctg aataaacttc 240
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ctccggttg gtttggccta aaatttttgc ggaagaacct ggggtgggcca tttcaaacca 360
agtggatccc tcctgaaaag aaaagttccc ttactaactg cttctgagcc ctcccttaag 420
tggacggc 428
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<210> 213
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA284920

<400> 213
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 gctgggggtg aggagacaac aaacctcggg aactggagcc agagctgcgg cctgactgac 240
 gccttttgat gctcacggga aattttctgcc caggatctca gccccaggct gggtgtttct 300
 acaaattctct ctcaaattgta ttattttggg gacaaaaatg aaggagcttt gttaaattttt 360
 ttaaaattat gaatcatatc aagtagttgt ttacatttct tgaaaaaata ggaactcggg 420
 cagca 425

<210> 214
 <211> 302
 <212> DNA
 <213> Homo sapiens

<220>
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 tactacaacc gggtagacat cctgggggtg agcacacagc aaaacggggg gggacgtgca 180
 gagaggtata gggtaaaggc aaaggaagca gaggatgaga ccagcaggcc ctttctcttt 240
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 gt 302

<210> 215
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA287107

<400> 215
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 catgccact agctaaaaag aatttctaag tagaactcaa ctgaaactgc aagctactgc 180
 tctaagaaat gcatacttat gtttatttgc tctcctatat aatcctgttt acaaatagca 240
 taactgcaaa gatttatatg taatttctaa atccttcagg ttgctctacc attcatcttc 300
 ttatgtcttg caagataaac actcttagtg aacactttgc tgcctctctt aaatgagatt 360
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<210> 216
 <211> 405
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA287389

<400> 216
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ttgggtttaat gcacaacttt gaaaataact cattaataaca cacatcaaga tgctactaac 180
aaattcatta atatccaaga ttcattactg tatgtcaaag gtcattccagg attaacattt 240
tcattacaat gaactgtgaa attccaatga aaaatgtttg cctgaattaa attattttaat 300
ctctcaaatt ggaagtctag cactcttgaa aatcaaattc acacacacac agacacacac 360
acacacactt acaaactgca cattaggaca tgaggggcaat ttaat 405

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<210> 217
<211> 478
<212> DNA
<213> Homo sapiens

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<220>
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<223> n = a or c or g or t

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taacttaagt acagaaaaga gttagtacac cacaagcatt ttctacactt ttatttttg 180
gtgattgtga gacaaacaca gtccaaacaa tagacttctt gtccctcccc tcccaacaac 240
tatctgactc catagctcat gcaccccaat tacagcagggt gtcgggctgg cataaaggct 300
tcttaccagg attccagttt atccttctca atccttttct catctctaac aaaaatgcc 360
cacatacatg tagttgtgag aggcaaaagtc ttctttacac tcaccaccag gngggcgat 420
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<210> 218
<211> 475
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA287870

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<400> 218
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cgcaactcga ccacgcactc atattccctc accccaccat cacggcccca aagaaggct 180
tccctctcgc gaagtccacc atatcggggt gactgatgtt gacgtacacc ctctcgcccc 240
tccggagctg caccaggccg ccgaaccca cgctcgtgta ccagagaggc ccgtaccctt 300
gtctcctggc cgggtccagc actggagtca ccgtctcggc gccctcgagc agcagctcgg 360
gagtgcccg cccgtagcgc ccccgtggg gacaaagaca gtttggtggg gggaatcctg 420
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<210> 219
<211> 216
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA291676

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gactacaaaa ggacctaagc cttttaaact agactgtctc aactgtgcat taattatgta 180
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<210> 220

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<211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA291970

<400> 220
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 acccactccc caggagatc cagacccaaa atctgctccc cagatagccg agcccacagg 180
 actgggaact gcccaaatat ggccaccctt gtgggctggg ggcctgcgg ggaagtgtg 240
 cttcatcagg agtcgcccc aaggaggggg tcattgggtg cactgggagg cagagggggc 300
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<210> 221
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA292328

<400> 221
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 agaggggttt ggaatgaagg tagaggcagg gggatgaagg cgccagagct gaagaccagc 180
 cccagaagc cacaccctg cccttctagc agctacgggt cctctggctc cgggccttgt 240
 aaacctcgat gagcaggctc ttgacgtact ggatctcgcg ctccacggac tctgcccgtt 300
 ccttcagctc gcgattccgt gctccagcc cctggaaact gaccctccag ggccctaccc 360
 tctgcccgtc tccgtggcg gtacctcaga gccgcgact tgttctggct tctctacttt 420
 tgcttgccgt c 431

<210> 222
 <211> 328
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA292533

<400> 222
 ctcaattaaa gatttgattt attcaagtat gtgaaaacat tctacaatgg aaactcttat 60
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 ttgaaatgcc attgatagtt taaaaactct acaccgagtg gagaatcgag gaagacaatt 180
 taatgtttca tctgaatcca gaggtgcata aaattaaatg acagctccac ttggcaaata 240
 atagctgtta cttgatggta tccaagaaga aatgggtggg gatggataaa ttcagaaatg 300
 cttccccaaa ggtgggtggg ttttaaaa 328

<210> 223
 <211> 318
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA293187

<400> 223
 atggtacaaa aatagtttat tacaaaagaa atccaaccaa aatgcttaat aatttacatc 60
 gtgatccgtg cccgttacgg ccacctctc cctcctcag ttatctggta gagagtggag 120
 gggagtggct gttccctggg tccaccagct ctgggagggg acatggaaat ggaagatgtg 180
 ggtggcattc cggacagga ctggtgcctg agaatgctgg ggtcagagtc ctgggaggga 240

gcgagatggg ggaacatctg tgctcagaag aggggggtgta tgggtaggtg catgtgcttc 300
tgtgcaaata ctggtccc 318

<210> 224
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA293489

<400> 224
tttttttccg tagtccaaag gctttattgt tctgctgaaa tgcttacaaa tactgaaaac 60
ccccagcctg ggcccaggca accaagggtc caatgctggg aaggagagca ggggaggtgg 120
gcttagtggtt aaggcgtgaa gggcgaggcc agacagctgg aggcctgggc ctccactctc 180
catttccatc acccttcgga ggctgaagga agggcggcgc caccacaggc cccttcccct 240
ctgctgcata atctcctgct caggctttct ctctaggcgc attggaggaa tcctctttcc 300
ctgtcggaaa ctcaacactg tacagaactc caaccataac ccttctagct tcctctccca 360
actgcatcgc tcctcctctg ttccatagat cccccggctt catcccttct ggctctaagc 420
aagg 424

<210> 225
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA293544

<400> 225
ttgtagagat ggagtcgcgc tacgtggccc atgctgatct cgaactcctg agatccaatg 60
atcctccac ctggcctcc ccttctgcat atagtaggtg ctcaataaag accaaccaga 120
tgcaggagtg gatgacttca ttgctcggga ctttggtgct tgggtgaccg tgaccttcag 180
gccccggcac ctagggccag gacgctgctg atccaggccg catagctcgc caccggttg 240
tagatcccgg gcttcttgcg gttgccgcaa acgcgcgcag ccgaggtgac caccgctcg 300
agcacgcccc cgacaccag caggccccgc ggagtcaccc attgcagctg tcccggcgat 360
tgctctccgc gcacatcaag cgctcgggtg tggcgccgct gtggtgcgtg cgccggttg 420
aggtggcgcg gtccagcact ggcaagagca cgtgctgcag gctgtccggg ctgcccggcg 480
ttggttgact atgcccgaag ggccacgtcg caatagttcc cggttcacgt cgcggtccac 540
gcctgccagg g 551

<210> 226
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA298981

<220>
<221> unsure
<222> (1) .. (340)
<223> n = a or c or g or t

<400> 226
attcggcacg agtttcaaag aaaatagatt aggtttgcgg ggggtctgagt ctatgttcaa 60
agactgtgaa cagcttgctg tcacttcttc acctcttcca ctcttctct cactgtgtta 120
ctgctttgca aagaccggg agctggcggg gaacctggg agtagctagt ttgctttttn 180
cgtacacaga gaaggctatg taaacaaacc acagcaggat cgaagggttt ttagagaatg 240
tgtttcaaaa ccatgcctgg tattttcaac cataaaagaa gtttcagttg tccttaaatt 300
tgtataacgg tttaattctg tcttggtcat ttgagtattt 340

<210> 227
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA308998

<400> 227
 aggctctact tcaggtgctg ctataatgcc tcatctaatac aggactaaat tgtgtaggaa 60
 actgcagtgga gaagaatatg ctttctgctc aggctaagag ggctactgat ctgtccttag 120
 aaattcagag taacatgagc aaaacctcag ctaaaaccca ttttaagtggc atggattgtg 180
 catgatcttt gataagaatt cctcatgtac ttgtgcctag tttttcaagg tattggctgt 240
 tctatagatg cagtgtattgt cccagctagc tctgttacca gccttttggg gtgtctttat 300
 gttcatttgg agagtcaggg cgaaagacag gtgatgtagc acttctgttt ttaataatta 360
 ttgcttaaaa tacctattaa tagttttggg tcatttaaag ggacttgagg aagctaccca 420
 ggattacaga agagtgtcca cctaacaaga tgggtctggca gtttcctagt tttgtatctg 480
 gttcaataga aatatgtgaa agtggtaatg tcatcatttg atgcagagtc cgggg 535

<210> 228
 <211> 324
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA312946

<220>
 <221> unsure
 <222> (1)..(324)
 <223> n = a or c or g or t

<400> 228
 gaagttaaag gncactttat tnactgacag attgaaaact gtaactccag gnagtgcaaa 60
 atgcaccaca acccaattac aaagaacagg tggttaacaca caatgtttaa acaatgctac 120
 actcattttt ggcaaagtgc tgtattgttc agtctgtgta caaaactgac catctatgan 180
 ccaatcagta taaaaaattt ctataaaanc aaaatttagn cagtggctca agaaaacaag 240
 tgccatttta tgcatagnnt gatgtacagn aacctaacca aatgtccctt ttgaattttc 300
 aagttactga aaaaaaatgt gtcg 324

<210> 229
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA316686

<400> 229
 gggatgtgga gctggagttg gagactgaga ccagtggacc agagcggcct ccggagaagc 60
 cacggaaaca tgacagcggg gcggcggact tggagcgggt caccgactat gcagaggaga 120
 aggagatcca gagttccaat ctggagacgg ccatgtctgt gattggagac agaaggtccc 180
 gggagcagaa agccaaacag gagcgggaga aagaactggc aaaagtcact atcaagaagg 240
 aagatctgga gctaataatg actgagatgg agatatctcg agcagcagca gaacgcagtt 300
 tgcgggaaca catgggcaac gtggttagagg cgcttattgc cctaaccaac tgatgcgtgc 360
 tttctcaaat atacctactg gattaattta tggcaataaa attttttttt gtcttttttc 420
 gttttatc 428

<210> 230
 <211> 160
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA328993

<220>
<221> unsure
<222> (1)..(160)
<223> n = a or c or g or t

<400> 230
gcttttagagc agttatggga gttatagatt ataacatatt agtgatttgt gaaacttttt 60
tactaaaatg tgaccctcat tttncctttac atgaaagaac atagaatatt tcacaatgca 120
tcccacgtgg taagaataaa aaattgtttt agttatatgt 160

<210> 231
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA342337

<220>
<221> unsure
<222> (1)..(359)
<223> n = a or c or g or t

<400> 231
agagataaac agttttatttt ggggagcaaa gagaaagggt ccctaaccac agactgcctg 60
cgaagagggtg aaatggaatt gaatgggatt atggtcagcc aaggcttcct agtggagctg 120
ctacctganc tgagttttta gaggggtagg aaagaaaaaa tgtagtgggt cataatggca 180
ttccagatac aggggacaca aacagctctg tgtttatgaa ctacaaccag ttgttgactt 240
ttgtttcaag tggctccctt tcccagtgct tgtgtggacg atggactgaa gaggagaagg 300
ctgggagcaa gggaccagta agctgttgca gcagtgcagg tgagatatga ggccccaac 359

<210> 232
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA342918

<400> 232
accataattg acttttttatt taaaaaatta cacggagcaa tttccagctt atctttttttt 60
ataaaaagtac tgcctatatc aaacatttta tatcacgtta attccattga agagctgcct 120
ttttctgtta aggtactgat tccaattgat gggatacatg cccttaatac agaaagtttc 180
cattattttat tcaaatatca aaattaagat tattgagaag tttattgctt tatggctggg 240
caagatgcta ctagcacatt ttaggtaaat aatattcttt attaaaaact atgagggtca 300
ttctgtttta aactttttcaa gataattcac ggggaaacag gtatatctat tcaa 354

<210> 233
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA347359

<220>
<221> unsure
<222> (1)..(346)

<223> n = a or c or g or t

<400> 233

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gtgttgcaaa gcctttaatt agaatgtttg tatttttttac atcatgcata acttcacatt 60
tgtgattaat tagtaattat ttcaatactt gtaagcncat ctgcctcaga tttaatcata 120
atacatgaat taaattaatc aaattaagga acagcaattt agaaagaaac acactttaag 180
aaatcaaaat tctcaattca ggcagtctgt ttctatcatt tggatttcta ctccctttaa 240
aatttcatat tgcccaacaa aaagtgggta tttttactgt ttttggagat gactgaacag 300
atgaagggca tcagatgcct tcatacagctg ggtatatttgc ctaaga 346
```

<210> 234

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA347578

<220>

<221> unsure

<222> (1) .. (347)

<223> n = a or c or g or t

<400> 234

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gataatttag aaatttatta caaaactttt aataaaaaat acaatgatat tacaaatttg 60
gttttncaaa gctttcaaat ttttctnaac attatctntc gttttaagan cacttttgaa 120
gtcggcagtn atttaaaatc cttactagaa aaaaaaccaa agcccaagggn ttttgcattt 180
agncatcatc taggtataca gcgtgttttc cgaaagcatc ctttaagagt ttggagattt 240
gatgaaattg ctcagtgaat aagcagttag tgaatactat tgaatocnaa acccagataa 300
gtcatcttgg gctggctgtg tttttcatgt gaaggaaaact catttta 347
```

<210> 235

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA348446

<220>

<221> unsure

<222> (1) .. (174)

<223> n = a or c or g or t

<400> 235

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aaancccat ggcattttta taggtaaatg ataaggnagg gatggaacaa aagaccacaa 60
ggtttgctct agatgtaatc attgagatag ataccagaac tgccaacact ggtgtgttgt 120
gttggcaact caaatagcag caggaggatt tccatagatg gtgtttttcca aagt 174
```

<210> 236

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA349417

<220>

<221> unsure

<222> (1) .. (351)

<223> n = a or c or g or t

<400> 236
 agtgtacaag agtttattta atgatatctg anttttagttc tatcatgtgg ggcccacggt 60
 acaagtncca tctgggtcca ttacaactct aaccaacccc ccaccncccc ccaaaaaaaaa 120
 ggaaagaaag aaaatccaca actttttcca tgtcattaaa tatattcata tataataacc 180
 ataatatatt agtatgcatt ggaaagggac attgacccaa acaatacgtc atggtcacaa 240
 ctaaactatt acaattctga gtgaacagaa atccaaaaca caggaggggg cagagggagg 300
 aggggaagtg catttgggag gagggaatgg gnagnaacgt ccaatgacag g 351

<210> 237

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA350265

<220>

<221> unsure

<222> (1)..(196)

<223> n = a or c or g or t

<400> 237
 caatagcaga cttttaatca atgccagaga caaagtgagg cagagctaag aacacgctca 60
 gctncgttac aatgaagaaa tggtttcctt tcgatgcaaa gtataattgt aaaccacagt 120
 gctcgcacag ttcacgnctg nttaaagnga aatcttagcc atacatcacc taaaagtaat 180
 taaaaagtca acacag 196

<210> 238

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA358038

<220>

<221> unsure

<222> (1)..(286)

<223> n = a or c or g or t

<400> 238
 cagggtatatt ctctttctcc tttttaatgt agagctgcag atacacttaa gttgccatag 60
 taatggcaga aggaggggaag ggtgttttct ttgtaaaatc attggngtat acaggatggc 120
 ttggcaggta acaacactat ttctacgata tctacttatt aatataattt tatgttaata 180
 tcccattctc ctcaccataa tcaccataat gttcaaattt taattttgta ttcattttga 240
 atgttttgcg gtgaaaaccc aactaatcta ttattttcaac attaaag 286

<210> 239

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA370867

<400> 239
 gtgtttccaat aaaactttat ttatggatac tgaaatttga gctgcacata atttccatgt 60
 gttatgaaac attatactcc tttcaatttt ttaaaacatt gaaaaacgta caaatcattc 120
 ttagctcatg ggccatacaa aaacaggcgg caggctattg acctgagggc tagaagtttg 180
 ctgacccctg ctgcagacct tcaaggtaga gtcagatcta tttcatctat ttccctcact 240
 ggctagtggc agggcctgga gaaaataata caggttttgg aggagtgtaa gtttgaattc 300
 aagttcaagt tctatattac attgtactca gcaataacag atactaaata acggttgctt 360

tcatgccctt ttaaagtcatt attttttatt gggacctgct cagtttttta tcttaattcc 420
ctcttatccc aataatgcag gttctcaagg gggctcacta agg 463

<210> 240
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA371520

<400> 240
gctgagatga gatgatccat cctatttcag agtccagaag actttctgca agatcagcta 60
gggtatttgg ttaactaaa aagaaccact aaaaccccaa aaaagcagaa acacccttaa 120
ccccctgtct aaactggaat caaatcaaatt gagtgaagga tgctcttga tttctcctgg 180
atccacattt ttattcagtg gcacaagggtg gttatcaggg tggtagtgtagt tagtgatga 240
tttaccttgc ttgttttggg ttaacgattc tgtccaatac atgctgatca agcactaata 300
aaagactaga ctgaaccag atgtgacatt ct 332

<210> 241
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA374109

<220>
<221> unsure
<222> (1)..(287)
<223> n = a or c or g or t

<400> 241
cgccgacct ctctgcactg aagggccctc tgggtggcgg caccgggcatt gggaaacagc 60
ctctctcttt cccaaccttg cttcttaggg gcccccggtg cccgtctgct ctcagcctcc 120
tcctcctgca ggataaagtc atccccaagg ctccagctac tctaaattat gtctccttat 180
aagttattgc tgctccagga gattgtcctt catcgtccag gggcctggnt cccacgtggg 240
tgcagatacc tcagacctgg tgctctaggg tgtgctgagc ccactct 287

<210> 242
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA376468

<220>
<221> unsure
<222> (1)..(265)
<223> n = a or c or g or t

<400> 242
gtaattttaa caaataccaa aagctttatt taagcaaaaa cacattcaac cacagaacat 60
tcagaaagct aacaggntca tttctacatt cattctgcaa acagtgtagt aagaaaggta 120
atttgagaat ttccaaagat gttctcgcta gccattatct atggtaatta cataacattt 180
tgatgtcaag ttattacaga cttaaaaagt aatatagcat aattttacaa tcgtactttc 240
actatgattt ttattttaac cctgg 265

<210> 243
<211> 292
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA380393

<220>

<221> unsure

<222> (1)..(292)

<223> n = a or c or g or t

<400> 243

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catggagtca gggacatggt taattcattt gtgaatcccc tggtagctggc acatagaaaag 60
cgtcccatat tatctgcaaa atgaatgant gaataaatga gcaagtaggt gaatgantga 120
ttctnaggtc tcctccagct ttgatggcct atgaccgtgt gactcctgca tatgcatgan 180
cacacagaca cagacactac acacatgcac agacacacat acacacttgg ngcaaagagg 240
gatgaagcct gccacactgc aggtggtcct agctgcctga cctcccttcc tt 292
```

<210> 244

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA382275

<220>

<221> unsure

<222> (1)..(246)

<223> n = a or c or g or t

<400> 244

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aaataataaa tgaaagattt tattcatctt tgtagataac aagcactcaa aggttaaatga 60
gtgaaggaga taaccatctc ctccaaacaa agnggctctt aataacgcag aagcaaaaat 120
ctttccactt ttagatgaaa acaaaactaaa aaataacttc aggccttcaga tatggaaata 180
aagcaccatt tttcaaattg tagacttggc ttacttaaaa taagtaaata gccccgcgnc 240
atctgaaaaa gaaaa 255
```

<210> 245

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA386264

<220>

<221> unsure

<222> (1)..(407)

<223> n = a or c or g or t

<400> 245

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ttattttaata actgtagaaa tccaaaagaa ttagcatcaa atcttgaagt cgtgagtnaa 60
gctgcggggt ggcttgactg ggctcagcca ctgagctgcc tcaacgggcc aaggaacggg 120
attatgatga ctatgcggac ttctatattg tottcatctc attgtgtgta ttatgtattt 180
agttttcaata aagcatttgt accaatggct ctggagcttg gaggaagact aaaggaatgt 240
gtagtgattc tgaagtaaga ttagaccta cgcagcagag ctatggggga gaagattaac 300
aaagtccttt cttccaatat caggatagtc atgagttgca gtcccatcca aaaggtcatt 360
agggctnaaa ggccctctgt gtctctgaac tatgagattc ttgctcc 407
```

<210> 246

<211> 205

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA386386

<220>

<221> unsure

<222> (1)..(205)

<223> n = a or c or g or t

<400> 246

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ggnggtaaaa ttncaacttt atttggccaa tgtgttcaat tcgattgtna aatagaaatg 60
cctganganc tgnnagcgtc tgattcagct ccagcatcct tcttcaggcc aaagaactcg 120
aggatgcgct gggtgtcggg gtgggtcgtg tcgatgaaga tgaacaggat cttgcccttg 180
aagctctcgg ctgctgtttt gaagt                                     205
```

<210> 247

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA397919

<400> 247

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ttttctgttt aagaacagct ggtttattct tttgatttat tgtagggtatt aaaagtttct 60
tttgtgagat ggcacatagg caggtttggg gtttcctaac actatgaata tcttaaattg 120
cttttgaaag ttttatccac aaagaaagaa aaataagggt ttcttcacag ttgaaaatag 180
tttttgaaaa aagggttaaga ggaaaaaaat cttaaatacca tccttgataa agaaatggaa 240
cttcaagtta aaaatacaaa tttaaatgaa gttttataaa atattaaaaa ctagctaaaa 300
gtacatgcat aggcatttaa tcaaggtaag aggaacagca gtggaaactta aatatgatac 360
aatttatcaa caataaataa acatttcagt gcaaatagtg cagaaaaaatt tctcaaagat 420
catagcaatc attctaactg                                     440
```

<210> 248

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398280

<400> 248

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tttgcgtagg tcattctgat ggtggctgct gtcagcctcc aagtggctta tgggatagga 60
caacccccca ggcacttcac tgtaggacag ttagcaccaa gagctaagggt tgtgagataa 120
tgcaaatctg gcctgtcacc tctgcagagt acagggtccc atactgtgag gcagcagcag 180
cagagggaac caccagagaa acagcatttc agaattgtct ttcccttggg gtatggatat 240
gtgtgtgttc tagtctttgg tgggcaatgg aatctgcagc tccatgacaa tcttgtttaag 300
tagcttatgt gggaagtgtt tcaggtcaca agggccaccc attctaaggc ttctcactta 360
attccccagg ctaagagaca ggtggggaaa ggaaaaacct agcaccttgc tatactgaat 420
tgga                                           425
```

<210> 249

<211> 515

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398719

<400> 249

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tttttgcata atgagcgcat tttattaaat agatagttaa cgcactgctt cttactcatt 60
```

```

ccaagttgct gtaggtgctg cccgcattaa cagcagggac aaaagcttcc tatgcgcgtt 120
tcagcaggaa tactctctcc actccaggta cttctttggt ttggattttt ttggcatgat 180
ttccttccca tgtaaagaaa gccaaacttct tcaagacaca ggtcattcag ctttagtggt 240
ggcctccagg ttctccttgg gccgtgcaga aggccaggtc ccgcacagtg aggcctcctc 300
ttgtcctcca ctgaaagctt ttcactgttc ggtctgcaaa gaaagagggt cgcctgcccc 360
tgctccactc gccagggtgg aagtgggtga gggctgggaa agggctttct tcacagggca 420
gtgctctcgg tatcattgtc tatatccagc aggatgcggc caggcacgtc tttgctggct 480
gagtctgagt gcatttcagg aaagatgctg cgatg 515

```

<210> 250

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398903

<400> 250

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gctcaagcga tcctctcgcc tcagcctccc aaggtggggg tatatgcgtg acgcgctgtg 120
cccggctcca aagaacattt cttaagattg gtgggtgcaag gatcacacct tgagaaacac 180
tgatttaggc cttccacag tacaagaaa tggtgcctgc cccatcctta cagcacacct 240
gatgacttac aagaggtgct gctgaattcc tcccaggga gcaaccttaa ttcttctcag 300
caagacaagg aggcagcctt caggaaggac ccaggagctt ggtattagag gatgatccaa 360
gtctgatggc aaatttagag tg 382

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<210> 251

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398908

<400> 251

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tttcagatt tataatttaa tggctgtgca gatcccagtc cctcatttct gtcgctcacg 60
tgccactgg tctgggggtca gggttttctg ttcaaaggca tggatgtgcg ggactcttct 120
gctaggcacg cgttcaccag cctgtgtctc tgaagcagcg gtttcccctc gaacttggcc 180
gacaccacca ggactcggaa gctacaggag caacggttga gggctcgtgc ctccacctcc 240
acatgctccg cctccaggtc ccgctgcagc ttctcgcgga ggtattcggc gctgagttcc 300
atggcgccag tccagctgga acggcagccc agcagggaca caaccccagc tcgggcgcgc 360
gcacgctacc ttgctgcctt acaggagcca cttccgctgg aaaactcact tccgccttac 420
taaggcgtac gtcaacgcag tacttcgc 449

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<210> 252

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA399101

<400> 252

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ttttataaac attattaaat tttattaaca aaacattttg tacattttta tacatgtgga 60
attttacatc taggtaaaat aacaacacat tcaaaattta ccattttata aaactgttac 120
agaataacaa ccagtgggtt aaataagtaa aataaaccac actgattttt taaattatct 180
acaaaagatt tgacttttaa attcccctga acatataaaa ataaattaat tttacttttc 240
aattaaatct accaattaga aatattacaa atcaaaatat caatgttata ttatgaattt 300
gtcacaatac aaaacagatt cacaaaactt tatttacaga aatgaggtaa gaactgtgca 360
atgtttaacc aagaaacata ttgc 384

```

<210> 253

<223> Genbank Accession No. AA399273

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|-----|
| tatttttttt | tttcagaact | atctgatatt | tatttcccaa | tattttgata | cttggttttac | 60 |
| aactggaata | catggaatga | aggggctgat | atgggacccc | aggtaagagt | gagggtcagga | 120 |
| ctctctaagg | gtctgggggt | ccccctagag | ggactttggg | catccagttt | cagggactga | 180 |
| gccgggttgg | gtcggggggg | agcatggcat | cggacgtggt | gccgtctgtg | cctctcctgc | 240 |
| ctgcggtaca | gccgcgcgag | gtgtttccga | acggcccaca | gcaccaggta | cacctcccac | 300 |
| aqcaactcaq | ctcccggaqt | cttcaaagggt | gac | | | 333 |

<213> Homo sapiens

<223> Genbank Accession No. AA399542

| | | | | | | |
|------------|------------|-------------|------------|-------------|------------|-----|
| agtgggtctg | ggtttaattg | ggggtgaaag | ggtgccgcac | agttgctcag | accccccatg | 60 |
| gctccgcgcc | atgagtcctc | acctttgcga | ctgaacagag | gagcgtcgcc | taactagaaa | 120 |
| caattccccc | ctcgagtctc | cctccagcac | tgtgtgacgg | tggcagggag | tgggaggttc | 180 |
| cgccaatggc | tggcgggcaa | gggggagccc | gccggcctac | cgcctgcac | tgctacgagg | 240 |
| gcaggcgctg | gctcctcaca | ctcaactcagt | gcggaggatg | atgtggatgc | cggaatacgt | 300 |
| gaacacgggg | ccgctcatat | ccccagttcg | cagcggaaac | gaggcgctct | taaatgggtt | 360 |
| ctgcacttga | cctctgctga | aggcaccacg | gtcttccctt | gggttggtctg | agctgcagtc | 420 |
| ctgaa | | | | | | 426 |

<213> Homo sapiens

<223> Genbank Accession No. AA400034

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|--------------|-----|
| tttatcatca | ttacataattt | attgagcatc | ttttgtctcc | aggaaactta | catttttaattg | 60 |
| agagacatac | ataaaataac | tttaaatagt | gctatgaaga | aagtaaaaca | tgacaataaaa | 120 |
| atagacagta | actgggaagt | tacttttacgt | tagatgatca | gagagctttt | tgcagcggta | 180 |
| gaatataaac | taagacctgg | ataacaagaa | aaagccaatc | agaagatct | gaagaaagta | 240 |
| tttcaggata | agtgaatagt | tcaaggcctt | aaggcattaa | tgtaacatat | ataatatatt | 300 |
| actaataaag | gaggggttatg | ctgaggcgcc | ctaggacaag | cggccatgag | aattcacagg | 360 |
| cgtaaagaaca | tatgtaaaag | tagatacaga | aggtttgtga | gaaacaaatt | aatgagcct | 420 |
| caaatttgag | caggtttcat | taaatggaca | tgtcaaggtc | aagggaagaga | acccaagata | 480 |
| c | | | | | | 481 |

<213> Homo sapiens

<223> Genbank Accession No. AA401297

ttttccaagt tcacatcttt tatttctttt taaggcaaag caccgcgagt caagccccgc 60

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cccgtccccc agccccgagt cctgtgcccc ccccttttcc cctcgagacc ccgtagctg 120
ttccccctgg cctcgggttc cctggcgctc tcggcagccg ggctgggagt cttcatagca 180
tcttctccaa gaggtgcgag ggtctggggg ctccgctcct cttcaagggt cagcccggcc 240
gctgccgtct ccttgggtag ggggccctcg agactagagt ccaacagcgc ggcctcggtc 300
agccccgagt cgtcatccat gctgatgaag atgcccgggg tctcgcactc aaggccccctc 360
ctcccggaaa tccatggctt cctcagacgg gggcgggcct ggccgggcga cggagaggga 420
gagggggagg aagaggaggg ggctccactc ctccgggtt cagcttctgt tcttctcca 480
gctgcc
486

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<210> 257

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401433

<400> 257

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ttttataaac tttattacgg aaaatgccaa acatacaaaa atagagatga acatatataa 60
tgaaccatca ttttagccat caccagctt caacaattat caaggccaat ttcgtttcat 120
caatattttc aatgcactta acatccagac ttattatttt gaagcaaatt ccaagaatca 180
tatcatatca gccacagatg ttgagaatg tagatgagga cccttctttc taacataatg 240
ataaaacat tattctaata ccaaataccc caccaatgtt caaattaccc cgattgtctc 300
ataaatgtat tcgttttaca gttcgggtcaa atcacaattc aaataagatc caattaacaa 360
ttggttaata tgtctcttaa gtctctttaa atctataggt tcatcctcca tctttcatcc 420
ttgcaagtta tttacagaag aaactaggtc atgtgtcctg tagtttc
467

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<210> 258

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401965

<400> 258

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gagagcacia ctccaaatca tcttttatta atataaaaag ggcataattta gcaaaagaca 60
cacagataaa agagtcacta tggctcagga cacaaggcag ggaggtgccg ggcctgtgcc 120
cctgctgggg gagaaggagg ctcgggacaa agtgggagaa gtgctgggaa gggctgagcg 180
gtagggggcca caaaagtctc ggtgggcaac actgtcggca ggtcatgggt gggactcatg 240
gggacctcgc tgctaactct tgttgtgggg ggggtgtcct agtgtgccg cctggagggc 300
cactccttgg ttccctggag ggaccaccca agggacacag gacaggaagc ccaggatggg 360
tagtgcaact cgggatga
378

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<210> 259

<211> 641

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402000

<400> 259

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tttttttttt gatacaacta gcaaatgttc attggtttac aacaaaccca aaatactcat 60
caaatatggg ctgttggtat tagaaaaata agattcttga gcgattccag ctgcatttgt 120
ttatacagaa cacatttact caggacctg cagtgtcagc ttcgttcttt gggatgagc 180
ccttctatct ggatctctgc aggccagcca gaatatctgt tgttcttagc atcagagtgg 240
ttgatctttt ctctctgaat ttcggaaggg agttccaagc cttttgctgc aataaatacc 300
cagctagacc tgaatttcat gttcctgatt tctttacttc caagtgttc tatggcattc 360
ttggcatcgt tattcagctt tgtgcttcog tcgtcatagg tcaccatgaa gagcagggat 420
tttgagcag cactctgaat aaactttgtc atcgggtccag agttatcgcc ttcatacata 480
tcaaaacatc gtgttgctgt cacattccca gttacatagt tgacaatggc aatgtttatt 540

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cctctggcaa catttcccag ctgttctccc ataagtaggt tatcctcaaa gcagattttg 600
gcgtacttgc ttctgccacc tccgctgagt aacctgtagg c 641

<210> 260
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA402224

<400> 260
tttgttttcta aaaagtttat tgtaaaattc aaagcttcaa cagcagcatc ctttagaaaa 60
cgaagcattg cccgatccg ttttgaaaaa gcagcgcagt cggctaagtc cttcacgctc 120
ctgcaactgt accaagtcca gggcgccgct ccttcctgcc gagcgcaggc tgctgagtca 180
cgctgcccg gccagtctgt ccttcctggc cctgaggcca acgtcctagc ctaggccttc 240
ctgggcgagc agccgctcca gacacttgca gagtccctcag ctcgaccag 290

<210> 261
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA402468

<400> 261
tttcatggta aggagtttgg attttattca gataatgata agaagcctca gagggttttg 60
agcaaaggta tgacaggacc cgacatccgt ttttaaggat tttctctggc tcctgtgtgg 120
acaatagatt gtcacctctt ccagcgggag aggtggagat gatgggcata gtctgggggtg 180
atagtggtag atttgctctt gttcctagt taatccttga aattagtggg gaaactggct 240
gtggatggct cttgcgttgg aaggctttct ccaggttgta atctggatcat gagcagcctt 300
tctgacagac tagagcaggc tggatcactg gctcccatgg gcatttgcca gcctgtgggg 360
agggtagtca tgcgctgctg ttgtactact gttgggtgtt aagtgcacca gtggaggcgc 420
taacttgccg gagggttcaa gatggtctcg gggtgtggg gggcatgata agataggacg 480
tgg 483

<210> 262
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA402473

<400> 262
gcggcacgcg gtcacaccgg cagatggata agcagcggca aggcggggct gtgccagggtg 60
cagtggggag aggcaggcag agcagtggga agtcagtctc atgggcccgg gcagtagcaa 120
agcagcaggc agtcagtctt ggtgaggacg ggcatagcag acaacgaatg gtcagattcc 180
aggaagaccc gcagcagcag cagcagcagc agcaggatgg aagatggtca gactcaggga 240
ggactggcca tggtagttaa cagctcttca gactcagtga ggccagaagc agcaggagac 300
ggaaggcagt tggccttggg aaggacaagc catcaggttt tgggggcact gacaggcgtg 360
aggttcaagg cagtcagatt caaggagggt gcagcagtgg ggaggaaggc cagactcagg 420
aaggaccggc gcacgagtga gacaaggcaa cgggaaacca ggagc 465

<210> 263
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA402903

<400> 263
cccagggcag tgggtgggtgc tttattttcca tgctgggtgc ctgggaagta tgtagacggg 60
gtacgtgccca agcatcctcg tgcaaccgga gagcccgggg aggggctctg cggccgtcgc 120
actcattttac ccggggacag gagaggctct tctcgtgtag tggttgtgca gaccttatgc 180
atcacgggca tgagaagacg ttcccctgct gccacctgct cttgtccacg gtgagcttgc 240
tatagaggaa gaaggagccg tcggagtcc 269

<210> 264
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA402930

<400> 264
gatttgcattg ttgggtcaac tcttttttaag tccaaggagg cagtccacat taagtgtgca 60
ggcaaaaaag agatggaaaa aggagtcagt ttctcccctg cctcccctct ctccccttat 120
caagctgagc accttgagtt gcatttgagg aaatgaaaac tatagggtgac gcaaccccat 180
tgtgtcgaat tctttcttta catttttttg gttgctacaa ggaatcagta tttttttttt 240
ttaatcagat ggtgtgtgtg gtggctcaca tctgtaatcc cagcattttg ggaggccgag 300
gcaggaggat cacttgaggc cagaagtttg aggctgcagt gagttatgat catgccact 359

<210> 265
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA403159

<400> 265
tttttcattg tgcaatacac ttttattttc cttttacott tgcagtcac ttcgagtaat 60
cgttgtgtaa acaatagaat ggaatgaaat tacattaaat tgtatgcaaa tggctctaga 120
acaccttaac aattatgaca aggcaattat aaataacttt ttttccttag taatatatat 180
ttgctttttg aagtacatta aagagctgcc atatctaggg ttagctagga aagagcaatg 240
gtaccatcct gggagccac ctccctgaaa gattagactc caattttcaa aatcctaagg 300
tttactagtt ccataatata cagtcaagca gagggctact tggggtgaaa gtattgattc 360
ttgaacctta acagcgtttt accttttagt catt 394

<210> 266
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA404957

<400> 266
tttaatgaaa atagaagttt tctttctgtc ctccctttct tctccttcc ttctcctttc 60
cggatctttc cccaaataat tttctaataa ttcagttggt ttctgaatat tgctttttaag 120
ttttttgatt ttaaagatac aattagaaat aatgtatatg atgaaaaagc tgtttccac 180
tccaattcag atctgtgatc tacactggga aaaatgacca ctccctatga agttttgtta 240
ctgacctctc ttggacttta gctctccatc tctgctgagg ggatatgaag gtatttgcac 300
ttctcctggt aatgaaggga tcttagaaca gaaaataaat aaatgcagtt ttagcgacac 360
atagctggaa atattt 376

<210> 267
<211> 294
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405331

<400> 267

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tttttttttt tttttttttt cttttattta tgtatttata aaaagattta caccaatcaa 60
gcctgtaaca tgtacaaagt aaatcttttt gcaaagttta atatatgaaa atccaaaagc 120
agactgaatt ataaaaaaaa aactttttat ttttgtcact aaatacaatt agtttccttg 180
attataaccc ataatacatg tcacctaaca tacagatggg ctgtacagag gtgagacaac 240
cccaccatct ttctctacat atatattagg accactaaac tcagataaag caga 294
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<210> 268

<211> 207

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405488

<400> 268

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tttttttttt tttttgacgg ttcctatata acgtttattt ctggaagtta aagtagatac 60
agcaatatac caaaaaaaaa aaaaaaaaaa aaagacaaaa aacctcacia taatataaat 120
ttttacacta tgaagtacac attggaattt gaatgcagtg gccaggacag cagcttataa 180
accaccttat aggtaggtta gcaaccc 207
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<210> 269

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405533

<400> 269

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tttttttttt ttcaagaaaa aaaatcactt taattgagga acactttcag tttgtgacaa 60
aattatgctg tgaatcaggt gttgcaaatt atggcccact gcctgctttt gtgtaagttt 120
tattggaaca cagctacatt cagtccatgg ctgcttttag aatacaacag tagactttta 180
catttggaac agggaccaga aaccagagcc atacagctaa taaacttgaa aatatttaca 240
agttgatgct ttacaaaatc catctgctga cccctgctct gtaccattgt tctcttctga 300
tggtctggtt actaaaaaat aaaaacttca caaacatgta aaaaatagat ttgccattta 360
aaatgtgctt ttcaagtttg acttttttag atgcaat 397
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<210> 270

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405559

<400> 270

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ttttttttta aaatattctg atgggtttat taacaagtat ataatatata ttgcatactg 60
tatatagtat atgaggactg tacagtacaa atttatgttc acagtttgac atgacaaaaa 120
gtcattactg aattcccatt ggactacaga gtagaaacag agaaggtaca ttaaacattc 180
acatcttttag taagaaagat taccaaaatg tttcagtatc tgcaagtata ctaacgcatg 240
ctaaaaacct ttaccattc agtcttatta gcttataaaa tatattacac tttattaaaa 300
atctctgcat agttttatata agtattaaag tactgtaaat gtaataat 348
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<210> 271

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405616

<400> 271

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tttttgtggt ttttgtgagt tcaagtgggt tatttggagg caatcccagg aaacattagt 60
aggagagcag caggaagaca gagcaaggag gaaaggcaat cttttgtgta ttaataggca 120
gcttatcaca tgagcagcta gagctccatc caactgggga cctttggaag agagtgtaga 180
acacatctta ttcagagttg tctcacttgc ggggtgaagg ttgaagactg ctccttggac 240
aatgccttct ccatttcctc atacttttca cctgcctgtg attgggcca gacctggttc 300
cattgcccga gaaagctctc aggaagatgc tcaagtgctt gcagtaagaa gcaatcagc 359
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<210> 272

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405902

<400> 272

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tttttattgt aataaactgt ttattcaaca ttttaccac tagtatactt taacagaaaa 60
gccctggagg tttattagac tatttctgaa gaaaaagaaa attaagacat ctcagatata 120
gcagcaacaa caactaacat ttgtgtagca ctttacaatt cacaaagtgc tttcaacata 180
cattagctca ttgaatcctc acaacaacc tgtgaggtag gtatttttgc caatttaca 240
gtgaggtaac tgaggctcaa aggttccagg acctttaag agatccacag caaatgattg 300
gtaaagatgg                                     310
```

<210> 273

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406371

<400> 273

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tactgtggag acgagacagc cccattgcaa tttatcaatg aaaatctaata accgcccata 120
agcagagaag tggaaatcaa tacttcatta ccaaattggt agtgaggatg aagagaaatg 180
gctgggggtga tttttttttt tttttttttt ggcagtcttc tcagagccag ggtgtcagga 240
ggagttcaat gagttcaatg tcagaagcag gatggtgcaa cgaagaaggg ttcagtgtga 300
gggatccag gctggaaagt ggaaactaag gcattcgtcc tgcaga 346
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<210> 274

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410298

<400> 274

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gcaggctaga aaataatttt aatgcaaagt agaaagtatc aatccacctc atcacttttc 60
ttgctctctc tctgtcacct cctcttttct gtggctctga ggaggtggga gaagcaggca 120
gtatttccac agcagctgtc cat 143
```

<210> 275

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410311

<400> 275

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tttttttttaa agtaacattt aatgaatata catttataaa agccatcatc ccttaacatg 60
gggaaagtgt acaaaaaataa tgtgaaagtgt taaaaatttt tctagaatac aggaaacata 120
tcagcagtaa agaagtttag tttaactttt tttttaaatg taaaatagtt tggatctgtt 180
aaaaggaata cagttcgccc aaagcactta ttttcatctg ttgtaaactc attcttttcta 240
ccttaagtaa actggaggag tcagctgtgt taatatgggc aaattaattt catagttt 298
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<210> 276

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410355

<400> 276

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gcagcggatt ggggggtggcc aggggatgct gctgatgtgc agagacatcc ctttttccgg 60
cacatgaatt gggacgacct tctggcctgg cgtgtggacc ccccttcagg ccctgtctgc 120
agtccgagga ggacgtgagc cagtttgata cccgcttcac acggcagacg ccggtggaca 180
gtcctgatga cacagccctc agcgagagt ccaaccaggc cttcctgggc ttcacatacg 240
tggcgccgctc tgccttgagc agcatcacgg agggcttctc cttccagccc aagctgcgct 300
caccaggcg cctcaacagt agccccggg tccccgtcag cccctcaag ttctccctt 360
ttgaggggtt tcggcccagc cccagcctgc cggagcccac ggagctacct ctacctccac 420
tcttgccacc gccgccgccc tcgac 445
```

<210> 277

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410383

<400> 277

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aagtaaaatg tttgctcaac tttattgaat gtcattagat ttataggaat cattaaagaa 60
ttagatacca gagtcccccc ggcccagacc cccacaaaaa aagtcagtga aaaagatgtg 120
agtgaagaa gtttgtcaag gcaaagtgtg gaaaggatac atgtgtacat cacccttta 180
atgctttccc tgagtattct atgaagtctg gggatcttcg aatgctatta atcttagaca 240
gtaaatttta taaagaaatt ctttaaaagt aggacttaat tctcctccgt agtgagttt 300
taagcagagg atatctacta catggattcc tttgcctctt gacaggctca agttccatct 360
gcctcccagg cagctttttg agtctttcat agaagcctgc ttttaataata tgcca 415
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<210> 278

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410925

<400> 278

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taaagttaca acttttctat ttctataaat tcgaaacatt ttggcccaat tcaactataa 60
acgttaaacc acataatgtt ttcagtagat gacttcatag actgtagcct tcttgtcccc 120
cgagccagtg actatgtact tatcatccac agagatgtca cagctaagca ctgacgagga 180
ctctttggac tggaatatgc tggctccata ggggtccgc caagcattga ggaggttatc 240
ttttccagta ctcaaaaacc atttaccaca gtaagcaaat ttcagggaca gcacgcagct 300
ctcatgcagg tgcagctggt acttgtcagg cttgttcacg tgcagcacct ccacattgct 360
gctctccatg cccactgccg gccactcccc ggtggccagt acccaaggag aagatctggg 420
agggtgaagtc gtgctgctgc agctgccgcc cctcgcgcag gtcccaggac ctgactgtgt 480
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tgtccaacca cccgtccaga gcttggtgcc atcattagaa atgtcaatac agctgggctc 540
gtctgtgtgg cctggattgc tcactagtgc tggc 574

<210> 279
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA410954

<400> 279
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aagagggctc gctgccttcc gcagaggtgg tctggttctc cccacaaatg ccccgacagc 180
tgaagtgatg ctgagatgca cttcttcagg caggaggatt tgctccatgt agcttttcct 240
gaaagactga acttctgggg gtcccttaca gctctggcct cggagcctgt gcacatcctt 300
ggcagctgcc ctcatcatct tgtctgtctg aagctcacc ttgtgctccg ctcggtccat 360
ccgcttctcc agcatcctca gcagcaggcg gaaac 395

<210> 280
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA411860

<400> 280
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agatggattt ctctctgtat cttcaagagt tatcagatgg tacatgctcc tcaaagccct 180
cactctctcg aactagagca cgttccagga tcacgcggcc ttccttatat cgctggctgt 240
cttcagtggc aaactcatag atccatccca gtttgctatt gcagtttttg cagctcacat 300
ctcgaaccat gtggcggcca gtgagcatga cccgatcttg aacttcactg tactgcaggt 360
taactacctt gttaaaaaga aatgctctgc cagtggggcc tgtgaa 406

<210> 281
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA411897

<400> 281
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cagctggaaa cagttcttac atattttaag aggaggccag ataagatttc ttcaatagtt 120
taggaaaaca tcctgactaa acatatttgg attttccttt tttcctcgcc ctgtgggtgta 180
tagccctgtg cagaatcaag cagagccctt tcttttcacc tccttatcca aaaccaggg 240
tttattattc gttgacaaaa tcatcaagga actacataga cacacacccat ttttgggagg 300
gaaggtatca ggtatgtaaa ggaaatatta aaggggaata ggaatg 346

<210> 282
<211> 73
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA411952

<400> 282

tttcatttaa ttgattttat tataactgga ttaggtctga gccctgggaa acagacatca 60
ccttggtata cag 73

<210> 283
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA411981

<400> 283
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ggggacggca caagctcact atgacaggag cagcaaggag ccggccagag gagggggtag 180
ccacgacccc caggatcctg ggcaagaagc ggcagacaaa cttggcacag gggcctaggg 240
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<210> 284
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA412049

<400> 284
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ctgccatcca aggaagcgca gaaaaggaca cccctcaggc cctggatgga ggaggatgac 120
ccccataact ggatggagaa ggatgcccc agtcctagat ggagaaggat gccccctca 180
gtcctggatg gagacgtcat gagtaactgt cggtaggaaa catcatgttc ttcattctgc 240
ccttgctcct tgggctccaa caggaaaaaac cagaaattct gtggatataa aacatggaaa 300
cattcattct ttaaagaaaa aggtctgcaga gacaagaaca gcgaaaggat ggtattgaat 360
acatgcaaat ggataaaata tgaatgatta tgttctcatg ttcaac 406

<210> 285
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA412063

<400> 285
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tgctgagctc tgtaacaact gaaaagcccc tgtgacattt tacctttgag agtcctaaca 120
cggtttgagt ggaacagctg agaaacagca tatatatatt ttaacacctc aaaatagttt 180
gaaatgagcc tcacagcctt gttcaatctt cagattacaa ataacattga tagcatctcc 240
tgtggccttc agttagtagt gccagttaat attgtttctg aaaactttcc tctcaaagtg 300
ctggctataa ttttttttcc atccagtaca cataagaaaa ggatttagta acacttgggc 360
aagtaataaa ctgtagaact ttaaaagtag taaaggcata taccaagcat acgtgactcc 420
acacattgtc agaaaggcag tggactggct aacgagtttc tgccaagttt cagaagcaaa 480
gaatgcacta atgaaaaggg taaggcatcc aagcagagtg t 521

<210> 286
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA412267

gatgggaagc cacagacagc acagaagggg cgctggggc

399

<210> 290

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA416685

<400> 290

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ggccagtaca tctgtggaca atgtcgagtc ctcaggaagt ccaggaggct gctacagagg 180
aaatccaaga accatgtcac atctctcaac aagtcttggg aagtccatct gactctctga 240
aacagtttgt ctctgacctc ccaggaagtg tggaggggccc cttccatcca gcctgtacag 300
agggatcaga gtccaggctc cttctatagg gttgaatatc agaggggaat agcaaatgac 360
cccgatgaga gagagagaga ccaaaggcta gattctttct gcaagggtga ggacggctag 420
aaggcag                                         427

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<210> 291

<211> 527

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA416762

<220>

<221> unsure

<222> (1)..(527)

<223> n = a or c or g or t

<400> 291

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gcgtgctggg cttgaggtgt aagctgggga gggagggcag ccgggaaggg tcagtggctc 180
ggacctgcaa ccctttcacc cttctggaa gactcgctgg gcagggaagg agcctcctgg 240
acctggactg gggcttatcc caagggatga gagccgatag gtctacaggc tcggcccaag 300
ggcccttcca ccctaggaag aggaaggggt gccggcgtct atctgctgga ggggtggtcag 360
gcaaggctgt ggggctgggt ggccagccct tctactcgtg acgtcccaga tctccgacag 420
cagaggcggc agcttcttgt cctggagccg caaggannga cctgctccga gtgcacagag 480
ctcagcgtgc gcaggctcac cagcttcatg agcatgcgcg ggaagag                                         527

```

<210> 292

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA417011

<400> 292

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ttctttgaat ttagccagct atctacttaa tgaagcaata aagcacagtg gctaaagctc 120
tggaaccaa ttacctaggt ttaaatcctg gtctcaccac tccctaattg catgacgttg 180
ggccagtttc ttggcctctc tgcactctcg tttcctcatt tataaaatgg gcatgtgtgt 240
aataataatg gcatctatcc catgagatga tgtatatcca aggtttaaca taaaggctgg 300
gtgcagtggc tcatgtctgc aattccagca ccctgggatc acaggcgt                                         348

```

<210> 293

<211> 363

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA417348

<400> 293

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ctttcgtttg gatcttcagg gtattggccc tgtgaatgtg tgcccatttc tccactattt 120
gccagtccca ctgagccaat cttctaccaa gactgaaaat agaccatagt tctcatttct 180
tgaacagata tcatcaggag agccgagggg gagaccatta ggcagcccca cattttccaa 240
ctcaacaggt ggaggacatg ggattttttac cttctttggg gattgaaccc ccacacacca 300
ccaactccct tagcctttca ggataagtat ttccaatccc tcagagattt tcttaggaga 360
gac 363
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<210> 294

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA417915

<400> 294

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acactctttt caaaacagga tttggagaca ggattcttca aaagagaact gcacattcaa 120
ctaaacatgt ccaaaaaact tcaactcttt tgaattagtc tccaaatcta cacaacccat 180
agaaaataga agatcattaa aatacatgat tatacacaga caaatggaca aatgaaacag 240
taattaatat tgcttgagct cagattgctc ctgtaagatc tgcagaaatc gtatgatggg 300
gtaagggttt ctagaacaat atttcatcag gagataatgg cagtatctca ttagactaaa 360
aggagatgat agatgctgga agatcagttt tcatac 396
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<210> 295

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA418557

<400> 295

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atccgggcag caataaagcg ggaacaaaac gggacgtgta gatccaacac attcaggtca 180
gtagaacaaa accagaacat tttccctca gaaacttgca acaaaatata ccccatcccc 240
cccgaacccc ccttaccatt ttgcaaacia aacagaaaaa cagaacaaaa cagaacaaaa 300
taaagtgaag acttcaacac ttggggcagt ttagaaggaa gctttcacca ttttatagca 360
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<210> 296

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419011

<400> 296

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ggagtctgtg ttgaaaattc aataaagggc ttgttttcca tctcagcctg gataatctat 120
gttatctctg agtaaagggg gtaacaattc taacaacctg gcttccttag aagtttccat 180
tctcatatag tcaccgaagg cagcagcact caggcgtttg ctgccgtgcc tgccctttgg 240
```

```

tttctgggac ggctcggggtc ccgtagcgcc ggcacagctg agattgccaa gccgggaaga 300
gaccttgctc caggtgtagc tgcgttttcc ccagatcacc tgtccttttc ccctccgaca 360
aggaagct 368

```

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<210> 297
<211> 260
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA419546

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<400> 297
cacattaaat tatttattga acaaattgaa gataatgaca tatgttttta ttacaaagtc 60
ttccatcatc ttatatcatt gacacatatt atgagacctg catttgaaga gtgaatagaa 120
ataagaaaat gttttcccaa cccacaaaaa acagaaaaaa atatattaat ttataatta 180
tcttataaag ccaaaagttt tatgaattat acttttttta ttagttaaaa atgacagcat 240
aactaagggtt aatttttatt 260

```

```

<210> 298
<211> 471
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. AA421131

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<400> 298
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aggaagcagg aactgatcat atttcgcatt ggaaatagtc ttttgctgcc tttctttgtc 180
ctctctcctg ttgttagtgg tcaatgtgtg acttccagaa agacattgga aagggaacac 240
catgggaaaa acctcagatg gaaatgcaga aatcacccat cttctgcgtc gctcacgctg 300
ggagctgtag accggagctg ttcctattcg gccatcttgg ctccacattc ctaattatca 360
ggaagtgtca ttatcagcac cgcagtgttg agaggtgaca gcgtgctggc agtcctcaca 420
gccctcactc gctctcggcg cctcctctgc ctgggctccc actttggcgg c 471

```

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<210> 299
<211> 523
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA421133

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aagacagact cgggtactca gggaacttct gttctgtcat ctgtgaaggc atcaaccttg 120
tgactcagat tcttgagcag agatcacgca acattctaca tgagacactg gcacgagcac 180
caagagatcc tggaacattg agtttgagga aggaacaaag agacttttcc gaaccaccga 240
accaaaggac tcatctaggg tgagctcaat gaatctaaaa tcgggaacac acattgcagc 300
cctgttttgg gaaatcagct taagagcaat ctcaagtctc cacaagaggc ggagggtccat 360
attccaaaat aatgtgagcc ttcagttatt tgtaggtaga attcaatgga agaaggggtg 420
ttatagatac gaaaaatcgt ggctggcggt accaacatta aatgactcgt ggtgatgggg 480
taagttgaca agtgaaatcc agtctcttcc taaacaaacg tat 523

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<210> 300
<211> 412
<212> DNA
<213> Homo sapiens

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<220>

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<223> Genbank Accession No. AA421562

<400> 300

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taaaacttgt ttttcttaaa aaatagttgt tgtaacatta aaccataacc taatcagtgt 180
gttcactatg cttccacact agccagtctt ctcacacttc ttctggtttc aagtctcaag 240
gcctgacaga cagaagggtt tggagatttt ttttctttac aattcagtct tcagcaactt 300
gagagctttc ttcattgtgt caagcaacag agctgtatct gcagggttcgt aagcatagag 360
acgatttgaa tatcttccag tgatatcggc tctaactgtc agagatgggt ca 412
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<210> 301

<211> 222

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA424037

<400> 301

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gatagtgatt tgaatgatta agtgaaactc ttcttaggtt aagtgtccta gtccacgcta 120
aaatcatctt gttggtctct ttggcgctgt cagcgaccag tatcagcgcc cggcttgtcc 180
ccgctgcccc ccgctgccct ggcccggatg tgggaggcga ag 222
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<210> 302

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA424245

<400> 302

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agaatacaaa gagaacttgt ctggcttggt tcaactttgc ctgcaatata tgtagacttt 120
gatgaattat tcttttcttg atgtccccaata tatacctgag gtctgccagg aagtgcactt 180
tcttactcat ctgttgccag attctgtcac ttttccaggg atcccaattg tagagcaggc 240
agggtgtccc agagatccca tctgggtcac cgaaactgta ggggcagaat aataattttc 300
tccatatacct ttctgtgttt ccggctggga ctctctcctt tgtccactaa tgtaatccca 360
taaaacggag aaactcagca gtgaggacat tctgattcca agcaggaagg agatgaacga 420
tgaacctcag gctgagcgcc tcacggtttc c 451
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<210> 303

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA424515

<400> 303

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cttttaaatcc aagataaaca atgtcacatg attaaaggta agcattgaaa ttctttcaga 120
taacctggag ggaaatgtcc tttttctctt tgccgagttt ctctctggga aatgaagaaa 180
caagattgtg agagttcaga gttccttcct cacctgctgc aagttcacac tcagcaggtc 240
gccagatgta ttacatttac cttatggatg gcagagattg tctgtgatca acagcatttg 300
t 301
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<210> 304

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA424530

<400> 304

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tttttttttt ttttttgctg atcaaattca tttaatcttt gttaaaagca tcacaaatga 60
ttcatcgatt tttaaaaagg aaaaataaga aggaatgcat tgtctctttg ttatgtgcat 120
ggcagctgat ggctcgttc ccaggcgccc aggtctacct gaacatcaga tatgcagacc 180
ctcgaattta caaccaggga cagccacggg cccacgcctg gatctccatg ggtgcacaga 240
cgggaacgta tcaggctgtc tcagatgcca cctccttccc aggtgcttgg gtccacatgc 300
ccaacatggt cttaatagaa atattaaca
329

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<210> 305

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA425325

<400> 305

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tttttacaca ctcatcctaaa cctttatttaa gtacctacca tatgtacaat actgttcctaa 60
atattaaggg aatacaaaaga tgaattttta aatgggtgcca aatcccaagg agtttacaat 120
ataataatag taaaaagtaa tttaacacga actgtaggaa gaaaattaca agtaaacatt 180
tgcccctgat ggagaaaaat gaccttattt tttaaatttaa agcataaatt gccagtttgg 240
aaacactgct attacataca cctgtattag ttcctccttt taaaatgatg ctgattgttt 300
ttagaaaaga aaatgtctta tgctatatta tctttatgat tgggctccaa attttaaaac 360
aaaaatttgc ttaaagaaaa aaatatagat ttataaaatc agattaacac tgtacacaga 420
gagataaagt gtgttggtgcaa taatatgtaa aaagttgaac acaactgggt ctagcag 477

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<210> 306

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA425354

<400> 306

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ttttttcacc agtgacaaag gagtcagcaa actgttgtaa aacagagaga aattgtaata 60
atgaaaaaag gacagagttt agtgaccaat cacttatttt ctttaaaaac acataaccac 120
attaactttt tgctttatac aacctctag aaactataaa acagtaccac attgtgcatt 180
taacctactt atcaagaagg gaacttcata agtcataaga attctacca tataggaagg 240
aaaaaggaga cagctaatag catagtcaca gatacaacat gagtccaagc aagcatcaat 300
tcttcgacat caccttttcc atttaccaga gtggagactg agaaagagag tgagggagaa 360
aaaagaggga aggaagcacc cacagaggac taatcacaaat ccatagttac ttttga 416

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<210> 307

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426372

<400> 307

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gcgccgcgcg gggatccgcg ccgctcaccc gccgccctcc agctccttgc gggttgagctt 60
gaaggaaacc ttggcgccgg tgcccttcac ctgcagaagc gtgtcgttct gcaccagcgc 120
cttgatcgag tacttgaggt aggtgcgccc attctgctgg tcgaaccacg gaaccttctt 180
ggcctcggtg tagatcttgg ccagcgacga gccgttgccg tcgcccagcc tacggatggg 240
ctccaccacc agctggctgt acttgcccgg ctggttcttc ttcttgctat tcttctctt 300

```

cttag

305

<210> 308

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426374

<400> 308

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gggtgggtggc agtggagtgg agaaccacc acacctccc ctcagtattc ttcaccttct 120
tcagcctcgg cttccacgga atccacgccc acctcttcat aatccttctc cagagctgcc 180
aggctcctcgc gggcctcaga gaactcccc tctccatgc cttctccac gtaccagtgc 240
acaaaggccc gcttggcata catgagatcg aacttatggt ccaggcgagc ccaggcctcc 300
gcatggtggc tgggtgttgc cagcatgcac acagcccgt gcaccttggc cagggtctccc 360
ccagggacca ccgtgggggg cctggtagtt aatgcccacc ttaaattccag ttgggcacaa 420
tctacaaact ggatggtgcg ctggtcttga tgggtggcgat ggcgcgttga catctttcgg 480
gaccac

```

<210> 309

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426438

<400> 309

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tttatgttca ctacagatgc aagcatctga ttttatttca aatattttgc atccaagttt 60
gcttacatac acagatatta aacctacaga tacaaaaagc tgagtgtact tacaaattaa 120
taactgtaca caggcagcat aaaattctct ttgtacatga caaaaacatt ccgtgtccac 180
ccagggtgaa cacagccact tcacaaacag ggtgtaaata aggaggttca ctaagtacag 240
gaaagttaca agaccatatt ggcattttaa cagccattcc tgagaaagag aatgggaaag 300
ggcttaagag tcagacgaga ggaaaagagg aaaacagatg acctcctaca tcaggagatg 360
gagcagttag aatacagaat agggaagcaa tagtta

```

<210> 310

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426454

<400> 310

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tttgacggtg tcaaaactctg ctttatttga atagagaata caggcagcag gaatcacgct 60
tgggtgctggc agctccaggt cccttgcctc cacgggctct ccacttgtc tggatcccgg 120
gagacctcca ctttgaagaa caatatgggg tgggagcttc caatgtgcat tctgctacca 180
gcctcaggat tagcagcaag atgccaacag caacagcaac agcaacagca acagcaacaa 240
aggactggac tcgacacttc aggaaaggac gtgtagaaga gaaagtcaga cccacagtgt 300
cacgtgttaa caacggtccc acaacagcag acacgacact ggtgtgcacg gctgtaccac 360
ctgt

```

<210> 311

<211> 133

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA427622

<400> 311
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 aagtgaaaac tgtataaaaa taaatattcc ccatacaaac acacacacag gccaatccaa 120
 ggtagaggc atc 133

<210> 312
 <211> 448
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA427890

<400> 312
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 tccattaaca taaccattta cagttattcc agaaatttca gtcatacaca gtgctcttga 120
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 gttgaacaat aagatattga ggcacattgg tccactgtga ttctgaattc ttttagtatgg 240
 tcagaggaag tagttaatat atttcatggt gattcttttg ctactcttga tttttgcttt 300
 gggtaacatc ctcatcctgg gaacattcat taccacttaa tagcaagata acattaaaaa 360
 aaaatccttc attgccacat ttaatagcat gtttaaaaag gcagaggttg caatgagctg 420
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 <211> 457
 <212> DNA
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<220>
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 agtgaagttt ggggaaagca ttgaggactt gcacacctgc cgtctcttaa ttaaacagga 180
 cattcctgca ggactttatg tggatccgta tgagttggct tcattacgag agagaaacat 240
 aacagaggca gtgatgggtt cagaaaattt tgatatagag gcccttaact atttgtccaa 300
 ggagtctgaa gttctcattt atgccagacg agattcacag tgcattgact gttttcaagc 360
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 tgtgggtcaat aaccagatt tgttgatggt ttgtgac 457

<210> 314
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA428243

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 atccaggcga taagcacagg tggaaaaggg ttgggtgccc agccctcag tcccagtgag 180
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 ccacagtcca gagccaggag cccatggaac aacttggaag gtgactcagg tgaggctgtc 300
 aatgagggaa tcccgcatgc tgggtggcaat ggtgctaggc tgggcttcat tcagcttgaa 360
 gacactctcc accactgaca gctctgtgct ggttggtgctc aggccacaga aggcacacca 420
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<210> 315
 <211> 159

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA428325

<400> 315

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caaaggtaga gaaaatgagt aactattgag gcccccgct 159
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<210> 316

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA428460

<400> 316

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ctacgctggc cgagtccatg cgtcggctgg aggatgcctt cgtcaactgc aaggaggaga 240
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ccaccacagc tgccatgcc cctctgccc gtatgaagag gtcactgggg gatggagctg 360
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<210> 317

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA429398

<400> 317

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tggaagatgc agctccagat ggggtgggtt ctgggcagga ggggagagga ggggtgggtt 180
tattcaactg tttatttggg atcatgttat gcgctctcaa aaagcgatat aagagaaaaat 240
attggaaaga tatttcaaaa taagaattac cttgaagtaa ttcccataat taatgggtaa 300
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<210> 318

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA429539

<400> 318

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gaaaaattac acctggcagc tgcgtttaag cttccccca tegtgtactg cagagttgag 180
ctggcagggg aggggctgag aggggtggggg ctggaacccc tccccgggag gagtgccatc 240
tggttcttcc atctagaact gttacatga agataagata ctactgttc atgaatacac 300
ttgatgttca agtattaaga cctatgcaat attttttact tttctaataa acatgtttgt 360
taaaac 366
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<210> 319
 <211> 257
 <212> DNA
 <213> Homo sapiens

<220>
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 atgattcgct attcatcaca ccccgagat tgagatccac tgtatttaca caaagcaaag 180
 ccatgtcagc aagggactgt caacctgatt ctgagaacat aaacattcaa aatttatttt 240
 ccagtgttcc tttttgg 257

<210> 320
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA430074

<400> 320
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 cctggtaaat actggtggaa caagacagct gagaatgtat gacatctgac catgaacata 180
 tgacagctgt ttgtgccagt catgtccaaa cccatggctc tcaactccag atccaaaaac 240
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 tgggtgctgg tcttggcagg gcactactg gggatagggtg gtttggggtc tcagtgggtg 360
 gcaccggctt gttcttgcc cctctgcagc tctcttgcc gcctcgctg ctgttcactc 420
 atgcaatc 428

<210> 321
 <211> 335
 <212> DNA
 <213> Homo sapiens

<220>
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 caggagtaca cttagcaatg aggctgtgtt gatgaggaag tgccgcacatc atacttggtg 180
 tagaagctgg ccaggagata gagcacaata ggagagatgc tgaggaactt gcgggaagag 240
 gtaaaactgga gcccatagtc catttgctcc cagtgtgtca gtagccgagc ctttccttgg 300
 tcaggagtct caaagggtgt ccctttcacc gtatg 335

<210> 322
 <211> 381
 <212> DNA
 <213> Homo sapiens

<220>
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 ttgcgcaatc acaggccaag cctgggtggg cctcggggaa gctactcctc caggtcacct 180
 gccagggtgga tgcacttctt tgggcaatgg gtgacctcc caggacaagg ggaaccagca 240

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gggactcgat ggcaccacac agcagccacc tgttctgaca atgtgacaca gaccaactaa 300
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gaagtgactg tgccgcccgt g                                     381

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<210> 323
 <211> 259
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<220>
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ggagctccat gagggaaacct cagagatgca caatgacagt ttagctaaaa tggcttaaaa 180
aatgtgaatt gattgtcagc tctctccata tctgctgaaa aaaggtttta aattttttaa 240
aagtttaaaa gtgttttct                                     259

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<210> 324
 <211> 489
 <212> DNA
 <213> Homo sapiens

<220>
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cagaccactt tggatagcta tggctcgata cttctgggtg cctcctcct aagacatcct 120
cttcttacat tccactgaac agaaaaccat cccttctact ggcattgaact tctgccaat 180
gaggcatttg ctgcagcaag agcacagaaa gcactctgtg gatgcatgcc agctgaaatt 240
gttataggtc acccgctgca cttctgggtc gatggcattg tggcatcctt gacacaccac 300
agcgtgattc ttcacatagc agggcttgca cacgggcttg tcattgacca tcacgtatat 360
ctccccagct agaatgctat cacagtcaaa gcagcagaag tgtttcagggt gccaatctctg 420
gttttctgcc tgggtatact cattgctgaa tatcagctcg tcacagccag cacatcgggg 480
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 <212> DNA
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<220>
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tatctcagtg tctcaattca cactaaaata ttgaatgaga aatacaccac gttggctgat 180
tgcttgacat gtctgattta gggagacttc tacaaccact cctctctttt ttctcccagt 240
aaataactttt gactttgaca cctaccatat tggaaatgac aggtgcccga gggcaagtgc 300
atcaaagcag ttaggattcg aatgcttgct aaggattatt tttttaatgg agcagttcta 360
ttgaatc                                     367

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<210> 326
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<220>
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<400> 326
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 aaaaaaaaaa cttctgcatg catctcctaa gaattagaac attatcctac gtaactcaat 120
 tatcacttct agaaaaatca aatataccac attctactac ccattccatc ttcctatttc 180
 cccaaatatc ccccaaatg tctcttatag gtttttttat gaatcagaag ctaataaagg 240
 atcacacttt ccatttggtt atgtctcttg tcttaatcta gcagagacca ctttttggtt 300
 tactacattt gctttttgaa aagtccagac cagggccaaa atgcacaaac tatggcttac 360
 aacatcacac ccctgcatag ggccagtgga atgtgtgcaa gatcagtttg gcttcattaa 420
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 <212> DNA
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<220>
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<400> 327
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 gaaaacctaa agaccccacc ccaggatctg gctgaagcag tcttcccca gcttcttcac 180
 tatgaccttt atacaactat gggggtgggg tgggatcaca caggcataaa agggctggaa 240
 attccccaca cagcctccaa gggtaagaaa tgagtagctt cacatatcac aaaagtggga 300
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<210> 328
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 <212> DNA
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<220>
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 ccacggaatc cagcccacc tcttcataat ccttctctag agctgccagg tctctgcggg 180
 cctcagagaa ctctccctct tccatgcctt cgcaccagta ccagtgcaca aaggcccgt 240
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 tggtgctcag catgcacacg gcccgctgca ccttggccag gtctcccccg gggaccactg 360
 tggggggctg gtagttaatg cccaccttaa atccagtcgg gcaccaatcc acaaactgga 420
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 ctgtacaaca tgcagcaggc catgta 506

<210> 329
 <211> 225
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 329
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 taaacattta tagtggctat ggtttgata tttgtccctt ccaagcctca ggttgaaatt 180
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<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA435769

<400> 330

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tttcacaact aagcctttgg ccaaaaaagt catttagcac atctttaaag atcaataaga 180
aatggatttt ggacattaaa aagatcaagt cactgaatta aacagtagca acccccatta 240
atctagaatc ccatagtgtc gaagg                                     265
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<210> 331

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA435852

<400> 331

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gtaaacattg aggcaaaaag tttccagcgt agagatatga atataataat agacacaggc 180
agggatgatt aataaatgat aaaatgttta caggatgatc atcggaatac aggacatttc 240
tacttttgaa aaccacctc ccaaatactt cattataagt aagggtgtctc taaaaggac 300
agatctccta gacctctcct taaccaagta accagtctctg atatcatgat aatgctgatg 360
gacaaactag accttctctg cccgcagatg gcctaagggt 400
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<210> 332

<211> 230

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA436244

<400> 332

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tttttttggt acgaaatcac acaaatgaaa cacacaacag tacattttcc tttcaactac 120
gtcattacca ttcttcacac agatcctgaa aaagttacca cagcagttaa cgcgagtgta 180
acaaaggggt ggaacaggca acggcattcc cccaaggtag gtgtggtgtg 230
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<210> 333

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA436489

<400> 333

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aggaaagtat ttgatataat gttgaattcc tttctatctc caagctggca aatttgcact 180
atttgtctat cattcagctg ccagctctaa cttgtttgca cacttaaaac atcatattat 240
tgcacaagaa gccagtgaag gcatataatg gtcagttcct cactatttca aaaaaaatct 300
cttaaaccca gagaaggaaa aaaaaaaaaa tccagagcat gaaacacaca aaatcaaagg 360
tatccttttt ctcctta                                     377
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<210> 334

<211> 334
 <212> DNA
 <213> Homo sapiens

<220>
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 tgatagatta aaagattgag aaatacttga agaacgatca aagatacaat gagcatggta 240
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 aaatatttaa tttcctacat ctgtctacct tagt 334

<210> 335
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 <212> DNA
 <213> Homo sapiens

<220>
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 aatcatggga ttacataat ggcaaaaatg tatatgtata ttataacat cctctatata 180
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 ttccaacaat acctatcagt tttaaaagca aacattttca attaaaacta aagaaaattg 360
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 tctaaaacac tgtgact 437

<210> 336
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 <212> DNA
 <213> Homo sapiens

<220>
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<210> 337
 <211> 219
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 337
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caggcttttg tctcttcaag aatccaattc acccctgggt ttcgcttggc acacacccca 180
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<210> 338
<211> 423
<212> DNA
<213> Homo sapiens

<220>
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<210> 339
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<212> DNA
<213> Homo sapiens

<220>
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<210> 340
<211> 419
<212> DNA
<213> Homo sapiens

<220>
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aaccagagt ctttaggtct tctctcagcc aaggcatcga gtgaaaatac aatttatttt 300
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<212> DNA
<213> Homo sapiens

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 tccctacgaa ttagacaagt cagtcattat tctgcagatg aggaaactga ggctccaaga 180
 ggataagtga cttctccaag gtcataccac tggaaacagc aaagtcagag ctagaatttc 240
 ggggctcctg agatatccag aattctttca ctgtgcaatg ctgcctctcc aataaataaa 300
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<210> 342

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA442830

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 aaatctcttg ggcagctctg ctaaaatggg tctttagaat tctgctttga tataggggca 180
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 tttcttctgg taaggcagct ccctttgccc aaggacaatt cataagtctc aaggctcagg 300
 agaaagacat caggcagcaa tactctcagg gggcgggaaa atgaaagcct cagaactgaa 360
 ggggtgtatct tggaggcaca aaagagcatc cattatagtc caaccttttg ctttcttcag 420
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<210> 343

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443114

<400> 343
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 cagggtactga ataaatttaa cgctcaggct ctggcccccac cccagctttc agagcccaca 180
 agcagactgt acaaagtcaa taatttataa cccaaaccct gggcacagtg cctggaagtg 240
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<210> 344

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443923

<400> 344
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 gcagggaag actgtagaca cagaaataaa tatccgatta taagctgtga ttagaggcat 180
 gatggaaaag agcaaggctt cctgagagaa acagggcgag cacaggaaaa cctctctgag 240
 acagtgcacat gaacttgaaa cttgaagggt aaacaggagt gggcaccccc aaaggggaaa 300
 gaaggaatct tccaggcaga gagaaagaga aaagaccag gcacggtata gaccagagga 360
 aatttgaggc cccaccccc cgcgcgcgc ccccccccc cccctcccc caggaaggcg 420

<210> 345

<211> 213

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446241

<400> 345

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ggaggcaggg ccaggggaag gtgacatata gacatggagt ggggtcaagga agacacatgc 120
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aacaggacgg acgtggatgc ctcactcaag gcc 213
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<210> 346

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446651

<400> 346

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ttggcactgt tttccatctt aacagttgtt ctgtattgta agattttata tgtgattcat 120
aatgtactac tataacaaga cacagttttt atatattact ggaataatgc aaagaaaatg 180
aattttcctt tgggtccagt aattgtcaaa ggaatgattg cagattcaga aaatgtgctt 240
tgtaataacc ctgttaacat aaagtataca ctgaggaaaa aaataagtat ggcacatata 300
tggaaggatt agttgtatta gcaaggcatt tcagggatgg ttttggttct ttagactaag 360
taagatacat ccaatttaga ccccttcaa atccttagac aaatgggaat cacttggtaa 420
cataaagatt attttggtgg gcaggggctg atttc 455
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<210> 347

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446661

<400> 347

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tgatttccta attataatag cacagaaatc ctttagaatt tagtaaactg aattaagact 120
attcagaagt aatgaaaaac caatatgata aaaacaaaaa tcctccagta aagaaggaaac 180
ctgtccattt gagagaaata caattgagaa cttgcaaatg agacaaggga agatggcaat 240
ttggaactgc aatagaaata actatagcag aaacaaccat ttaagaagtt ttagcagcaa 300
taagtattta ttattctgaa tgaaatgtac agttgacttt tatataaaaa tcatcaaaag 360
tgctatattg gattatttta ctattaattt aacccccaac agcatctatt agctataact 420
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<210> 348

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446899

<400> 348

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gcccgtgagc tagacggact tgccgtccag ccctccaagc cccctgcggg cggccaggag 120
gatccctgag tccagcttgt aaacaccaga gccagccctg gagcctcagg cctctggagt 180
cacggcagcc cctccagacc cttggatttg ggacacctga ggcttcacga gcccgggcag 240
agctgcaccc tgggctgtcc actcggtcac ccagtagca gggaccacct cgaagccccc 300
ctctggtcgg ccacagaga cctgctcagg cttcagcaat cgtgagtcac gattcgtgtc 360
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ttctggagga agcaggcgga

380

<210> 349

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447522

<400> 349

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tccggaaggc tcagtctgtg gcagtcccgt ggctcaagac aggtctgaggc cggctgcaat 120
ggaggccagc agcaggagga tggccagcca cagcccacca cagctctcac ccatgctccc 180
agcatattct ttgaacactg atgagttga 209
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<210> 350

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447537

<400> 350

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ccctgattcc atgtgtcaag gcttccagcc cctcaaagcg ttggaataag catgttcaag 120
gaggctcact gggcagggtg ccaacatccc tttcaagggg atacaccata aagatgacat 180
tgtccaaggt ttggagggca gggatgatctg gtctgaccac ctcaaagccc atgtagctga 240
aggcccgagc cagggcacct ctgtcgttcc gatcattctg gaagttcaca aacacagagt 300
ccacatttgt cttctcttcc acgtactcca ggggtgcagt caaactttcc cggttgcctt 360
gatccaaggc ctgatatggg atatccagga agagtcgacg gtcacagaga aggccgtgca 420
atgggcagag gtctgggagg taaggcgga 449
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<210> 351

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447707

<400> 351

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aaacgtaact tgaaggctcag cacaggagct gctgtgatat aaaaggagag agtcacctgg 120
cgccccctgc agtcctccag ttgccagca gcagtgggac gctcagtggc acacagtggg 180
tctctgtatg gcttcccacc tgcaagggtc tccccgggca ggcccagctg ccagaagccc 240
cggaacacac aggaagacaa cactatagga tggcagggtg ggatctgtgc aatacaaaaca 300
tgtagctaga aaacccaacc gaggatctgt ctagaatact tc 342
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<210> 352

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447977

<400> 352

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ctatactgat tatatttata atgtgacttc taattagaaa atgtatccaa aagcaaaaca 120
gcagatatac aaaattaaag agacagaaga tagacattaa cagataaggc aacttatata 180
```

```

ttgagaatcc aaatccaata catttaaaca tttgggaaat gagggggaca aatggaagcc 240
agatcaaatt tgtgtaaaac tattcagtat gtttcccttg cttcatgtct gagaaggctc 300
tcccttcaat ggggatgaca aactccaaat gccacacaaa tggttaacaga atactagatt 360
cacactggaa cggggggtaaa gaagaaatta ttttctataa aagggtctcc 409

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<210> 353
<211> 416
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA448228

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<400> 353
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caaaaattat ccatgacaaa ctaggagtgG aaatgggctg ggagacacag aaaatgggtg 120
cccacagttc ctgggatccc tcctggaatc ctgggtttcc ctccctaggac cctgcaaggt 180
accctacgtg cctcctggaa cccccccacc ccggagggtc caaggaaccc agtttgagaa 240
ccaaggcttt aggccaaagga cttccttgca caagaagggtg cagatgtaca gggatgggtc 300
agacagtggc ctcaacctca atgggttcat cctcctcctc cagcagggtg taggaagcat 360
ggctctggca aggccgctgc aggggggtggg ccaacagttt cgccatgcag ttgtgc 416

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<210> 354
<211> 376
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA448625

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<400> 354
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tgacatctga atatgacagt atattgaaaa aagaatgcat gttattttatt ccatactggg 120
gaagtgccac tataacattg ttttaaaaaa tcttcaaaaa tttcctatta gaacctatca 180
ttgaattaga aaagcaagct ttgccaaatg cctgattatg cctttactgg tctgctagc 240
tggcatgttt caccaacttt tccctagtgt ttccctttggc actgttgagc ccacactaca 300
aaacatgaac aagtcccaca aaaccacact atgccctctg cttccccatc atgtggggac 360
catctgctg gacatc 376

```

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<210> 355
<211> 409
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA449749

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<400> 355
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tatttacagt gttgggttaaa gcaatatttt tacaactttt aaaggtaaac tactatgtat 120
attacaggtA agctacaatg ggttttaattt gcaaaagtta agtaagaaat gttttaaaca 180
aggcttaaaG tactcaagtc aattataaaa tttatatctt ttgcctttta cttgaagaaa 240
tcatgctata gaaatgggtA atgtgcttct aataaatgga agtattgtag ctggaatgtg 300
atacatgtaa cagttttaagt tcccattgaa ggtataaaat gatgaattgt tgtaagactt 360
agacactgag tctcagctctg gagctgatga agatgttgag ataacagcc 409

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<210> 356
<211> 112
<212> DNA
<213> Homo sapiens

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<220>

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<223> Genbank Accession No. AA449791

<400> 356

gaaaggagtt gagtgattta ttgagtgctt acttggtgcc acggcatgta gctagcgtgc 60
ttacctaata caaactcatg tggatccctc agcaaccaac ccctgtgcag ga 112

<210> 357

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450073

<400> 357

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ccccaccgat cccaccacc cccctcttcc cgtcgaatc aacaccaaac gctgtgggag 120
cgagggggga gaggagccga gtggggaaga aagagggggg tagtggagag agagagagag 180
agagggagga agagggaggg aaggagagga aggccaaaaa aaaaaattgg aaaagagggc 240
ggggtacccc ttctgtagag cagacgtgtc tgcaccagcc gccttcgcga gccttggttg 300
ctttcctgag gccaaagtcc gcgcggtcca aagagataat ccacactaaa atacaatatt 360
aaaaagtcac cctatgttca agtcaggaga aaaaaatccc ttccaactct ccaaaagtgt 420
ccacacgcac agact 435

<210> 358

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450114

<400> 358

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aacatgtgat taacaggaag gagatgattg gtgagttttc ttcgtaacca ggttcaactgt 180
ggataggaag ggctgcctt ccttcccacc atggagatcc taaaatcaca agctccagcc 240
tccatcaatg atgacagggt taccagttac ataagcagat tcatcagaag ccaaatacac 300
gcagagcatg gctattttct ctgcagttgc gaatcttccc gtcttttgtc tcttcaggaa 360
atcattccgt gcctcttcag gatttc 386

<210> 359

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450127

<400> 359

gcgaccgctc actccccttc tctctctcct ctctctcttc agtctccaac gactctgccc 60
ccgatgggtc tegtgggttg ggttggtttg ggggggttgt gctggggggg aggggggttc 120
aatatttatt gtattttttg tttgtggcag caactcaaca gattctgctg ctgggaaggg 180
cctcagcggt cctgaagaga gatgtagggg acccactggg tgttgccccg gctttctctg 240
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accaggagac aatgcagggtc tcgggcctcg gtgggtgccct ggggtctcggc cggctctccc 360
aggagctgcg ccaggcgctg catgcccagc acccgcacga tgttgatgtc gttgtcacag 420
cagaaggact g 431

<210> 360

<211> 282

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450324

<400> 360

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cggtgttata agtatctctt tgatctggcc aacagctctt cctctctttt ctaaaaactt 120
caaaatgccc tcatttctat tttttccctt tcagttaata atttagttta aaagtgcaca 180
cttatgggtc agtaaatggg ctttgtctag tagtcacaga tgctgagtat gaatttcaat 240
ggatccgtta gctttactac taagatcttg ctgagatcag ag 282
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<210> 361

<211> 254

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450373

<400> 361

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tttttttttt tttttttttt agaagggagc acctttattt ggaaaacagt aatttcaaaa 60
tcattctccg aactcagaat cgatgggtct gggtagatac cctaagtaaa caggtgaaat 120
cttcattact tgttcactta ttaagtaaaa ttttaaatta accgattatg tacaggagtg 180
tttttcacat ttctgataa gaatcacttg gaatgccctg taaacacagc ttcactggag 240
attaatccta tcaa 254
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<210> 362

<211> 147

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA451836

<400> 362

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tcattcagctt tattctctat gacatggggc atgatgtcca gcagatcatt ggcaaatcca 120
aaaacctcat gacaaatgaa aattaaa 147
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<210> 363

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453433

<400> 363

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tgtggaggcc atgaccaggc tgcagacctc ccactgcctg gggtacagcc aggacatggc 120
cctgtgcaga cctgtccacg acagcccagc cgtccaccac ccgcctcatc tctgccaatt 180
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gcagaggagg gagacagcag ctgcttcaga ccctgagcag aaaaccagag tgagcacagc 360
tggcagcacc agatgacaga tctggg 386
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<210> 364

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453435

<400> 364

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tcattttactt cagagcaa at gtaagcttat aatattaaaa attaaagtat tacaatattt 120
acaagatggg tggcagggga cacttactag tataaaaaata atacaaatat tgtattttcc 180
tcttatctgc cagtaaaaaat ggcaaacagt tttgtctttc tgaagtttct agtcaataac 240
caaagatgag gagccctaa taaagtgcct tgccctgtat gctccactgt ctatagcttt 300
agaccctcaa cattcttctt caagttcagc agctcttttt cttgcc 346
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<210> 365

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454016

<400> 365

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ttttaaat aatttttaaat taaattaaat taatgcagta ttcttcatgc tgccaaagta 120
gggcattgta atagaagacg taatgatcgc aaaatgggaa atgtagttca aagtagcttc 180
ctactcctt taaattcctt gtggttggga acttacttct ctgcttacct tgaactgctt 240
aatctgccaa aattgaacaa gccaaagcat ttaggcattg ttaaggtagc gaaaattcaa 300
aatttgata aactctgagg cagatggaag aaataagtgc cagccctacc acctgcctca 360
gc 362
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<210> 366

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454908

<400> 366

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cctacagaca accaagcact aatcccctta gtaccaagaa aggggagcca ggatttagtc 120
ctggcccagc ccagagctgg gacctggagc acgatctgtt gacttccctg ggtaggacac 180
tgccacctct gggctcaggt cctcatgcct ccaaattggca tctagagttt gagcagcctt 240
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ccatgttgca atgcaaacac cttcaccact ggggcagtgg ggagagatgg ctatattaat 360
aaaataacgt gtgtctttc 379
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<210> 367

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454928

<400> 367

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gaggggccatg tgaattggcc ctccattgtg aatttaacaa attttattta tttaaacttt 180
cctacatctt tttttttttt caatctctgg gaacagacta cctctgtaga acaaattggg 240
tatttttctg gaagcaacta caatcactgg gattcattca acttaagtga caagacaata 300
gccttctact atttttgctt atgattagat aaatcactgg tctcttttca tggccttcta 360
taatagcaga acaggtttcc taaattaaaa aacagaac 398
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| gggagtcagc | acagtccttt | ctgcagcttc | taaccacagg | ccatgaactc | aggtgcctag | 180 | |
| agaagccagg | cagctaaagg | acaaggaatg | ctgggggctg | tgggaacagg | aatgcagata | 240 | |
| ccctttgaag | gagcattcct | gctaaaagaa | gctgaaaatg | tagacctatg | tgaagtgtct | 300 | |
| tgattttctaa | atattgtgaa | gggttaagaaa | gacataaatt | taggtctatg | ggctagattt | 360 | |
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| gaacagggtga | tacattttca | tttgttagaa | actgatcttt | ctgtaataaa | atagattttc | 120 | |
| aattcagtggt | atgtcattat | tactgctaag | gaaatcttag | cccttgtctg | ccttaaagga | 180 | |
| atctttatttt | aatttactgt | aattattgct | gtgtagtcac | tacttttggt | aatttctcaa | 240 | |
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| cactccacag | aggaaattaa | tccttcgttg | acgccaaacca | tgcccacttc | cagctgctct | 180 |
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| gctgcgttac | ggattgctat | agcctctcct | ctgtatcgaa | cttgataact | ggtgccagag | 300 |
| cgcgaagtc | tctttcatgag | tgcacagcat | gtctctgggtg | acattgcaca | gcagggtagg | 360 |
| ctcaaaagaaa | ttttttccaa | gttggtgtcg | ttttccacct | gtcacaaagg | tggcaccttt | 420 |
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tattatgccca ttgttagggg tctttttttg gaagtacctc attacaaggc aatgtcaaag 240
gttccagtaa ctactcaact ttgaatgaag ttcaaaatgt ccccatgcta agctgagtct 300
gtgccatagc aaacctatgat atagcaagtc tccagaatgt gtacaaatca atactctgtt 360
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<210> 372

<211> 437

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA457148

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acatgaacag tctactgca gaacttcttt tattttattt tattgagaca gggcttcacc 120
ctgtcatccc aggctggagt acagtgggac aatcattact cactgcaacc tcgaactccc 180
cagctcaaac aaacctccca tctgggcctc ccaattagct gggacaactc ctgggctcaa 240
gtgatcctcc cgcttcagcc tcccaaagag ctaggagtag acacatgagc aacaatgact 300
ggcaaaagcc aaagtcttcc tgttggtcct caaggccctc aagggtctgac ctgtcaccgc 360
ttcacccctgc ttcagccaca ctgagctcct tgtggctcct ggaattctgc acactctcct 420
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<211> 355

<212> DNA

<213> Homo sapiens

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<400> 373

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aagaatgtgg agtgtgtaga tacaataaag aattcatttt atgatctgcc acctgttact 120
tgacagagga gtaagttagg gaaataaatg actcagttct tcatacatgc aaaggtaagt 180
tagttattac aaaagttttt gctgttgttt gtgctgaaag aaaagcatat gcattttaaac 240
atTTTTTTaaa aaataaatca ctcaataggc ttaagaaaaa tacttttagtt catagtccat 300
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<210> 374

<211> 408

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<213> Homo sapiens

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<220>

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<223> n = a or c or g or t

<400> 374

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cattcccgtg cactcctggt ctgtaagctt tggcacagca gagaccccag cttgtatccc 120
ctatcagcca ccagatatgt ttcttcgaag tgaccagagg ccctccactg tcacctgtg 180
gancacagca aggtacagag agcagaaaaa caagtcacaa tctgccgcac accactgacc 240
aggcctagag gagttggggg gcggggggtcg cagtgtgagt tacgagtgac tgtgtgggct 300
tcgaatctcc accatcaagg ggtgatggta acagagatgt aacccccaaa gagatagccc 360
ccatcctgaa ttttaatctg ttcaagctaa aagttactaa ataaattg 408

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<210> 375
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
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 gtaattatga agacacctt acggtgagcg ttattaaac cctactagag gttttgggtg 180
 ggactcaaga gcaaggggtg gccacctgtg gacgagggtt ccctgttggtt aacagaacac 240
 gttgccacc tcgcaagtat gcagcccaat cagtccccag ggtctcggtt cccgttgcg 300
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 aaggcacttc aaacgtccca agcagatctc cttttctata cagccatcca cagggttgcta 180
 ggccggaaac gggaaatgat ctgaggtgct ctgttctctt tgccacaca tctattcagg 240
 cacgaaatcc tgtcaatccc acatcaaaga cagttcctga atctgcctct ccctctcttt 300
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 atccccctct ga 372

<210> 377
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 <213> Homo sapiens

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 ttccactttc agaactagaa aatgcaaaaa tacactgcaa attagattta acaaagaaaa 180
 aatcagttta agttatttca tacatattcc ttggagaaag ctgagacaca taaacacaga 240
 aaaacaacaa taaaatacca ccaacactaa cacaaaacca aggaaagAAC tgattttgta 300
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 acagcaattt gatgagcaga agtagagaca actt 394

<210> 378
 <211> 359
 <212> DNA
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ggggtcatca ttgttacaaa agcaaggcct gtgattgtga caaggacagg ctggggcaga 180
gaccacacgc tcaaccagggt atccaccagg tgtggggccct ttataggagc tacaaaagagg 240
gggcagccag caatgtggcc tcgacacctg actccaggca ctccgacctg gaggagggag 300
atgaaagaac tcacctttcc ccaggggctc agccagacct ccaggcccct gagcgggga 359

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<210> 379
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<212> DNA
<213> Homo sapiens

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<220>
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tgaaggccta aaaagatctt tgttactcat ctagaattat ttggtataac agtattttcc 180
catggaggaa gacttggatt tcaggcatta aacaacgcag aaaaaaatct caaggcatca 240
caggagagg gagataactt ttgactctgg ttccccgtgt ttcaggccag gaagagcaag 300
gggagaaaaa tatttgtcca tgggaacaag taatcatgct ctaaaggaca atttcattcg 360
aatccattca tttccttttc atgcaaaaatt tcaaagataa ag 402

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<211> 384
<212> DNA
<213> Homo sapiens

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<220>
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tactgaaatt gtaaagtgc ctttttaatt tttgatattt acttctctta ttggcacaag 180
actaataaga tagatgggtt gtattactct taaaatctaa gacttctcct ctagctcagg 240
gaaaatactg gtggaaacct gttttacca aaagcagctt taatatctgt ttaaccagg 300
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ctataaaaca catattttaa ggtc 384

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<210> 381
<211> 391
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<220>
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catttcttgg aacaaactga agagtactta aaagatccca ttgaatgcat gtggcattat 180
tcttagttta cggatactgt ttgaactaaa tgaatcttgg gagagggcag ttagtaatta 240
atgcatttag aaactgatag cgctaaaata ttaaaactta tgcattccaa tgtttacatg 300
tgtatgtgtg tgtgcacatg tgattctgct ttgcctgttt tactatctta atgattatcc 360
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<220>

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<223> Genbank Accession No. AA461453

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gggaaggacc cggcaccctc ccctgaactt cctggctact catttccagc gaagtttaat 180
ctatttttaa taatcgttca gttttcaagg aaatggagga gctgtttttt cccacggagc 240
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<211> 353

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA461618

<400> 383

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tttttccctca tgttctccca cccccgccca cagccccctgt taaattaatt tcttattctc 180
cttaatatcc catacacatt cagattcctt ctccccctaca aaaatatttg ctattttgtc 240
cttgctatct ctcatactta gatcattcat acactatatt tattttttca ttaaactatt 300
ttaaaccctt tggaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 353
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<212> DNA

<213> Homo sapiens

<220>

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acaacaggta cctgtacgtg aacagccgcg cctggcccaa cggtgcggtg gtggccgacc 180
ccatgcagcc gccaccaatc gcggaggaga ttgacctgct ggtgttcgac ctcaagacca 240
tgcgggaggt gaggggggct ctgcgtgcgc accgcgctac acgccaacg acgagtgtct 300
cttcattctc ctggacgtca gcagggactt cgtggccagc ggggcggagg accggcacgg 360
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<210> 385

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463693

<400> 385

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cagccgcccc gccctgggtg tttcctccag gaaaggcctg gtcagtgaat gcctgcaggc 180
agcagggtgt caggaatcac ctgcccgatg ccagcgctgc tcttgtcttg agggccagac 240
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<210> 386

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463726

<400> 386

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ctgcttcttt agtcttagca tgcttaggat taggtggagt cttctctttt acatcagagc 180
catctccacg ctcaactcga gtcttttcca gatccatttc ctggcaatca ctttctactt 240
tacgttcttc gatcggaggt gttccttctc tctcttgtec aggttcaata tcctgattgt 300
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<210> 387

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464598

<400> 387

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atctctcacc ctgcttctcg gtctgatctg tgcaagctca gtctcttctg accctgcagc 180
tacctccatc cctcatcgta gtgcaggcca aaccaaattt tataaaatta acaatttaag 240
gttaaataag cttaaataag ggtgttaaat acaagacact tcatcaaagc ttctgtacaa 300
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<210> 388

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464728

<400> 388

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tcaatcctta aaattagtct tcaatgctat gtatttttagc tatgtaactt gtactgtgtc 180
aacagtgaac cttatttagat tcacgggtgtc atcgaaactta tagcaagata aaaatcaatc 240
agtaggaatg tcatttttaa aagtaaaata gtgggacggg tgtggtggct catgcctgta 300
atcccagcac tttgg 315
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<210> 389

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465093

<400> 389

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cttttggttg catgccttga tctgtagaag ttaacaagga aataaaattt ccaagtattt 180
aaaaaattta ctcatcttcc ataaagcgac ttttaattgta tcaacactta aaaatacaca 240
gtgacttaat gaagtatcag cacaactgca tagaattgag ctccagagaa ttatacactc 300
ga 302
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<210> 390

<211> 296
 <212> DNA
 <213> Homo sapiens

<220>
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 tcagaataact ggtcttgtga tataaatcag aatactgggc agggagagaa tctgggtcag 180
 agcacaggag ggcttctagg atcctgatct gaatagtggg tatatggctg tgttcaatgt 240
 aaaaattcat tacgttgtac ccttaaggat tttgcatttt gtgtgtatta cacatc 296

<210> 391
 <211> 519
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA465491

<400> 391
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 ggaagctggg ccctgctccc ttgcagggga ctctgccag ctggaagggg cagcagctcg 180
 gcaggccctg accggcaagc gggcatgcag gcagcccagc agcagctgag cttccagaat 240
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 ggcggccagc ggcaagtggg tggcccgaag gcaactgttc cgcgggtgc cactctgcag 420
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<210> 392
 <211> 399
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 392
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 aaaatatatt cttcctaggc aggaagggtt cagaattgat ttggaaatca gagatttctc 180
 aaaggaataa ttaaatctgt tcacagtagg agaaaagtaa catatggata ttagtgattt 240
 cgtttacttt tattaagaaa agagactatt agaaccatgc cctgggaact cagggtgtaa 300
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<210> 393
 <211> 358
 <212> DNA
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<220>
 <223> Genbank Accession No. AA476594

<400> 393
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 ttttctgaac aaatgatcat gatccctcag tctttccgtt ggcatgctcc taaaacaacc 180

ctctatgtct aatcagtcac ctaagatatt gagtggcaag tctttcacag ttgctgctta 240
 taatttcctaa atgggtccata ttgagtattt tcattttctgg gtaagggaaa aagcattttg 300
 gtccattaat tcaccactc gtccttgag gacattaacc aattctgcta ttacgaag 358

<210> 394
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 394
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 acatttccag tgtaatgaga gataaagagg aatactgccc accgaggaaa tgactttctt 180
 caccatgctg accacactgc acagcgcccg atccggctgg tgaggatggg gaggtgggaa 240
 gaatctcaaa gcactggaca gggtgaggac tcaggaagtc acggggtcag cccta 295

<210> 395
 <211> 246
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 395
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 cagttcactt tagctacccc caagtgttat gggcccggag cgaggagagt agcactcttg 180
 tgcgtgatat tgatttcacg gaggatgggtg gtcaagggac ccctatctga ggggggtcat 240
 ccatgg 246

<210> 396
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 396
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 tggcgtctgt cctggccccg cctgtcagaa gatgaacatg tatagtggct aacttaaggg 180
 gagtgggtga ccctgacact tccaggcact gtgccaggg tttgggtttt aaattattga 240
 ctttgtacag tctgcttggt ggctctgaaa gctgggtgg ggccagagcc tgagcgttta 300
 atttattcag tacctgtggt tgtgtgaatg cgggtgtgtc aggcacgcga gatgtgggg 360
 tctttcagtt caaaagttag atgtctggag atcatatttt tttatacag tatttcaatt 420
 aaaatgtttt tgtacat 437

<210> 397
 <211> 269
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 397
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<400> 401
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tgtattaatt aatttaaatgc ttacgtggag cttggtaggg aaaggagggt ggtgggcact 180
ctgagaggca cattgccagc ttccaaggac ctttgcaagg ggcagctcca gggcccctac 240
cctttctctc tctctctccc tgaggcaggg ggctgaagat gtggccaagg agagcttcag 300
gctgtgtctc cattggtaac tgcccttgtt gcacatttcc agaaaaccac aactggaaac 360
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<211> 372
<212> DNA
<213> Homo sapiens

<220>
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<400> 402
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acctgttggg tcttggctgt tgggatgata attcttttgg gtgaggggaa cagccgtggg 180
caaggctgcc tgcaccccca tccaggcaca ggacctggg caaagtctca aaagaggtag 240
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ttccctctca cctcaacggg caaaaggcct tccatcttca gaagaggctt gtgaggacca 360
tcggttgatg ac 372

<210> 403
<211> 501
<212> DNA
<213> Homo sapiens

<220>
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<400> 403
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aatatgtttt tggtgtgtgt gttatagttt tttgcatctc ttctacacca gagaatgaag 180
accagatttc ttagaaataa agccaaactg gcattcatct ggtttctcac agcatcagtt 240
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tccaattatt tgttggctct actaactctt caagcctggg gtggctgtag gaacagtaag 360
cacagtggcg gtgttgataa ctgacgtgat gtgggctaaa cagacatgtt aagtcaaaac 420
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<210> 404
<211> 375
<212> DNA
<213> Homo sapiens

<220>
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<400> 404
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atccttccca cgatatatta ctatttagtc taagctttta ttcaaagggt gagaatgacg 180
aattcaagaa tttctttcat acataaattg ctttccttag ttctgcagat gggtaatctg 240

tttgagataa gcactgtcat gtttcaacct tagagaacaa aaagctatca acaagatagt 300
 ggtaaagaaa atgctagcca aaaaataaca ctattgagaa ataggtgcgt attaagtgca 360
 atacttacaa catct 375

<210> 405
 <211> 403
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 405
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 ttaatatctc tgctcttgct ttcaacagac atactcagca tttatacttg taaatagaat 180
 tgagtttcca ttgtttcggt tcctgttttt gtttccttag gaacaagagg atgaaggaaa 240
 tatggtcagc attttaataa caccataaat ccaagataat aagtaattct ataaagtttt 300
 ccagtttcat taattcagaa tttcatcata taacttgaaa tccaattggc ttcctctttc 360
 ttagaaacaa aaaccaaaga aacctttttc tgaaagacat tat 403

<210> 406
 <211> 244
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA482107

<400> 406
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 aataagtggg ttgccacag ccacaccagt gatagggacg gagtaaacc atactgcagg 180
 tttcccagcc cccaagctga tgcacctttc atttcatgtt acacaggatc tttgtgccaa 240
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<210> 407
 <211> 482
 <212> DNA
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<220>
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<210> 408
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 408
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 tgcattcaca atccagttg 439

<210> 409
 <211> 612
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 409
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<220>
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<210> 411
 <211> 208
 <212> DNA
 <213> Homo sapiens

<220>
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 ttcaattctg catgtcccag tttgccgctc cttccactga tttgcactta cactcatgac 180
 gttctcttca cttgggtact ctgtgtac 208

<210> 412
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<212> DNA
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<400> 412

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<210> 413

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488658

<400> 413

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<212> DNA

<213> Homo sapiens

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<223> n = a or c or g or t

<400> 414

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ntccccgagc taaacacaga tgacagcgac ccagggtgct ggaggcccg ggtcacctga 180
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<211> 399

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA489637

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 cccatctttg ttgaatgacg agattgtaaa ccagaaacca aaaacccaaa aacaccacca 180
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<210> 416
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 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA490120

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 ggaagaaagg acatgaagtc tggcatgtcc ttcaaaatat tcagcaaaga aaaaagggag 240
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 <211> 231
 <212> DNA
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<220>
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 caacgtgcgt gcacgctgag tgaggtctgg gcatgggaaa gttccgggcg acggtgggac 180
 aagaccgagt ctcaatggcc tggatcgggtg ttggggggga gaaggccact c 231

<210> 418
 <211> 237
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA490520

<400> 418
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 tttcttggct gttcaaagta atgtgttttt catttttcaa aagacactat ggatgtctac 120
 tttgcacgct gcgattggga gagctgtccc gctgcatgcg ttccctctgt aatttctcca 180
 gagctcacat acgtacctct ctcacgagtg aactcacatt ttccattgtt ttgcttt 237

<210> 419
 <211> 505
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA490667

<400> 419

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aaaaaaaaaa ccaacaacaa caaaaaacac cgcctttttg aaagagaaat gacagacaca 180
aaagactgta aagaaaatgg ggcgaaatttc tgatagcatt tccccagggg cagaggcaaa 240
accagatca gacctggggg cccaatagtg atgtggcttc catagtacgt tgttcaccaa 300
atctaaggtc acctgggtctg gccaggccaa tgctgttggc ctttggggaa gcaggtcacc 360
ctgcaggctc tgcagccctc cacacggaca cagagagagt tggagatctc tcccctacga 420
ccctccagct ccatccagtg ctagccctt tctcctcca ccccatgggc ttgcttaaat 480
ctgtttcctt cctgggggtc ttgtt                                     505

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<210> 420

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490999

<400> 420

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aatccgtggg attgggttagc tttcatctca agtgcaggga caaggcaaat ccagagagag 120
gagttgaaag gacaaagaaa aaagaaaaaa aattgctttt tacgtgcatt ttgctgcttg 180
acgtcactca ataaacatgc gttaaatgca taaatatatc atgaggtaaa aatcggggga 240
aagggtgatgc attgatgctg atagaggaca ggcaaaactgc attccatttg gaccgcagcc 300
tctcatcccc cgcgccgcca caaaaactaa ggtcaaaatc agggagggag tccagggtaa 360
agttatcagt agagtcagct ctaggagcta tagttaatct attttaaaaa atcttaaaaa 420
acccataagt ccattatag                                     439

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<210> 421

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA495865

<400> 421

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agctaattgc ccataaattg tagcatttat tgacctgaag tactaagcta attgtcttga 120
ctactcaaag cccctgaatt gttgtcaact tccccctttg tgttgtgtag ccctaacgtc 180
atttagcttg ttgtctgatg cctccagtag gacacctccg atggagcttt gatttctgag 240
cagcgaaact cccttcctaa gatgcatctc gcataggtcg cctatgatga aggaccgtgc 300
acctccactc caacagagtg ctgagtttaa aagttgacct gtgtttgtaa tttcactttc 360
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<210> 422

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA496247

<400> 422

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agtagagagc atctacttgt ggcagccaaa gatttctttg cagtaacttt tagctaggtt 120
tagggataaa agaagaatg agatgaacac attacaatat gatgtaaacc actggtatgg 180
ttttcacaaa agtggaaaag atttaatcag tgaataaatg ctacaaattt gccaatcgat 240
ttttaacttc ccctaaattt atatttcgat aagcaatctc taagatttca actctacaat 300
atttgatgca caaaaacaca gaaaaatgtt ttaagggaag aataaattat tttaagttag 360
tcagactgtt aagatatatt taaaaacctg tattccagaa caaaagtcac agatgactaa 420

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cagaaaaaaa agaacgcacc tatatctggg taaacaaagc tatgtaatac acaattacaa 480
taaattatta tggataaact ttggatactg ttatatattt 520

<210> 423
<211> 650
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA504255

<400> 423
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aaccacagat tcataccaaa tgcattactt ttagattatt aacatattct ttacataat 120
ttcatttcac atatatggag tccaaccaag atacatctgg catagtaagt tttcatcagt 180
agcttcttgt ataaggtaat gcacatgtcc tccaatagat aacggcagtc ctgtcactct 240
atttcgagtc ttgattacac cttgtagtcg ctgctcaatg tcaagaacat gggctcttggc 300
ttaatgaggt ccactaaaga gagagtcat caggatcctt gtgaggctat ttctcatac 360
cagaaaatca gatcaaggga agtacccttt gaagcacaaa cttcacgtta cttaaatgaa 420
tttgaagaac ttgccatctt ttcattgaca actctccag tttcattcag tggcgctttg 480
gaatgccctt tcaactgttt actccattcc acaagaggat catgtagaaa agtctttaag 540
acactcatta aaggctctcg ctgatcacgc atcagcctca ttgtaacttc acatgctctt 600
cggaaaagac cctctgttcc cataggacc attccattaa tcatattttg 650

<210> 424
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA504805

<400> 424
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caggcggggc agccctcggc gagctacgga ttctctggga gatttgatag agctccatcg 180
ttgccctcgc atcttcacc gagctgtgtc caagcaggct gttctggatg ctcttggtgca 240
ggaggcgtc actcagcacc cgcaggagac acgcctgcag tggctccagct tggcctcacg 300
ccacaacagc ctgtcagtg acgtgtcgta gattgtgtag ccgctcatgt cctctttcag 360
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<210> 425
<211> 351
<212> DNA
<213> Homo sapiens

<220>
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<400> 425
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gtaggaaaga aatgtatcaa aagacagtag gaaagaaagc ctttccttct tgaaaggctg 120
aggttgagag ggaaagctaa tttatcacta caactctatg gtagctttcc atgctaaatt 180
ttccctgcct cttttgtgat tttttgatat ggaagagtag gggttatatc ttctctgtaa 240
caattaggcc atatttcctt ataccaagta gagggtgctca aacactgtag tggattataa 300
gggctgagga gagtaactga agactggcat acagaactcc acctggagga c 351

<210> 426
<211> 423
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA505136

<400> 426

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ctactaaata gttcaacaaa aaaatacagc tgtcctcaac tagttttata aatactttca 120
aaaagggggg agaaataaat acaggattgg gtcattgta ataaaaatag catctctaca 180
tatactttga tttttaactc ttcattgcacc tttttttttt tcaatttttag ctgaatggac 240
accaagctag gcacatagtg aaaaatcctc tgtacaagg taaaaatgta atgacaagtt 300
tgtccatttc aaaataagat ttgtacacaa cacataaaac ctttcattta gatcttgtgt 360
ttataaccta acaaatgaca ttccaggcaa ctttacaaaa gtttaactag cctacatttt 420
gac 423
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<210> 427

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598695

<400> 427

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gtttggccat gttccatcat taatgttcca acatcaccag ggacacaaag ctcagcatga 180
gggcttctac ccaaattctc ctacgacagg tactttcttca actcttccac cacctcttga 240
ggctcaggga atttgagttt gcgtgggggc ccctctctaa tcccagtcca gagctccgca 300
ctgctgccgt ccgggcgcac agcgtcacct cgaagctgcc cctccgcgtt aacgtcgggt 360
tcacctttac tggaagctct ggggcctcca gggca 395
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<210> 428

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598939

<400> 428

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agaactagga atcaaataat gtcttgact agaggtaatt gctaagctgg aagcttatat 120
tgaaaactaa aatttccagc ccttgactat ctgtagttcc aaacatcaaa ggaaaatatt 180
ggaacaattt atctatgtac agagagaggc aactcatggg taccataagc aaaataacct 240
gagggggaac atttgatatt acaagaagtg gtgagagttt acaagtcttg cattgctttc 300
tattgtacat ggctctgtag taatgccaaa aataacaaaa tgtaggcact tgctctggac 360
ttctgcagt 428
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<210> 429

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598982

<400> 429

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caataaagca ggaacagcaa acagattttt ccatcacatg acaccctcag ctgattggcc 120
ataactgcct tgactgctgt gtggacaaaag attccaagga tgtaactttg ctccatggga 180
aggactactg caatttatta gcggtatctg taaacatggg gaataaatct gaaacctcac 240
tagccatacg agaagccaca ggcaccaaga ctggcggtc cactgccaaa gccagcactg 300
gtgctcggtc caccaccaa gccagcacca gtgtttggtc caccgccgaa gccagctcct 360
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gtgctcggtc caccgctgaa gccactgggtg cttgggtccac tgcagaag 408

<210> 430
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA598991

<400> 430
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aacacacggc actcctcgaa tacagtcata cttaaagcttt agttactgag tggtaaggct 120
tcttaagtca cagtgtattc ttcaaggcct gggccaaaaa aagagacttc gagacaagat 180
gacgtcagat tacatggatc gctaataaac cgagctggac tagatccgac ttgatctaca 240
cacatgccac tactgctcag ggccactgag ccacgctggc caaggggtct gcactcacgg 300
ctggctgctt taggtgctgc caaggtcgcg ttttctagag tgggtt 346

<210> 431
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA599120

<400> 431
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ttattctttt ttctcatctt ctggtatggg atctgttggg ggctcctcca ctggtgcact 120
gttgcctctc gagccagtgt tactatcact ggttccttcc tctgccatac tgtcgacccc 180
ctcctgcca ctctcctgt cctcaggagt agacgtgcct tcttcacat tctgttggct 240
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cttctcctcg cctttgttag ctgcttgttc ttctcagga acgatgctgc tctgactgag 360
ctcagcttgc tctgaggcct ccttctccct ttctcctgc cttttgctgg cctgttcttc 420
tgctgtg 428

<210> 432
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA599216

<400> 432
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atgaagaaca ttttacttat ttttatgtcc agtacagtca aagcagccac attgcataac 120
cccgggggac ccccttcctc tttgtgatgc ccagaacaa tattgatttg attatagaaa 180
gccaccggca gcctacatgc gcaacggtga gttgttgggt atatacactg tggaccatac 240
agtggaaatc tacagtcaat aaaagggtatt ttttagagaga aaaaaaaaca ttggaacacg 300
cttatgatat aatgttaggc aaaatcgctg ttatgaacag ctggtttggg gcagagcaaa 360
tcctgggaag taacgctgag gctgttgggt caggcagtgg agtacaacat cttcgagggt 420
atggagtgcc acggctcccc actagtgggt atcagccagg gcaagatcgt ctttgaagac 480
ggaaacatca acgtcaacaa gggcatgggc cgcttcattc cgcggaaggg cgttccggag 540
cacctg 546

<210> 433
<211> 324
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599331

<400> 433

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gtaatatcta aaatgatctc ctcttgctcg aggtagattt tcccagtagc ttctaactcc 120
tgaccagaa gcggtgtatt gcgcctcagc atggaggagg acgtgaaggc gtacggagtc 180
tgaggtagt acaccacgta ggtaggtttg tactggtttg gctttgtgta ctgtgttccc 240
caggcaattc gaatccagac tgcattctcc tcagtttctc tgaagctgac tgtcacattt 300
tttaatgctc tctgaagaat tttc                                     324
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<210> 434

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599365

<400> 434

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accagtcagg aaatgtatgc tttgtgcttt ataagcttac attcaacata gatgacataa 120
gttaccatac tcaaatgtaa gatagggaga ggtagaagaa atagctgaga acttgaaaag 180
atgtactgtt attgtcaaca aaccaatgtc ttctcccttc ataaaattgt gtttagggaa 240
tattaacaat taagcttgta tacaatagta a                                     271
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<210> 435

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599376

<400> 435

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tctccagtga atgaatttat ttttatgctg gaaatccttg ccttgaagtg aagacagttt 60
caagcctttc taagcagtta ctgtctgttc acacaaatac aatgccagct gagtgtgctt 120
cgccgagaca gcaccagga ttccagcaca gggaattgaa aacagacacc tgcaattcat 180
ttccctgcac agcctagacc aaactatgct gtgatgagca ttcccagggc agtgttttga 240
ctggtgtgtg ggtggcatat tcctgcagaa tataagatta ggttatctta taatagacat 300
aataacagaa gattcattca accagcaaat atttattaaa tgtctacttt gtgctaggta 360
ctcttctagg tactagggat atcacagtga acttaagtct aaaaattcc                                     409
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<210> 436

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599443

<400> 436

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tttcactctt gttgcctaag ctggaagtga atggcacggg ttccagctcac tgcaacctcg 120
gtctcccagg ttcaagcgat tctcctgcct cacactccca agcagctggg attacaggta 180
cccgccacca tgccaagcta atttttgtat ttttagtaga gacgggggtt caccatgttg 240
gtcaggctgg tctcaaaact ctgacctcag gtgactgcc accttggcct cccaaagtgc 300
tgggattata ggtgtgagca ccacaccoga ccagcatgac ctttaaacac aattggactt 360
aagac                                     365
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<210> 437

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599522

<400> 437

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tttttttttt tttttttttt tttttttttt tttttttttt aaaaaataag gagggagctt 60
tatttaatat gaaggttgag gcagggccgg ggcgggaggg cgctgtcact tggatgatgg 120
gttcgcgttc atgctcttgc cgctgccgct gagcacgatg taggggggtct tctgagcctt 180
ctgcttctcc tggagcaggg ccacggtgcc caggggctgt tcgctggagc tcattcttct 240
caggagcgcc tcctcgcca gcttcttcat ccgcgcgtct gtcttcatct tgcctgagcc 300
cttgccatgg aagcggg 317
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<210> 438

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599661

<400> 438

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gatggtaaat acagaagatg caatagtata aaaagccatt taacccttcc ctaggttaag 120
acacttacag cagacaaaaa ctgccccacc cctaataccc tccttgaatg gaaacaaaat 180
aaatataaat taataaatac aaaacaaatc actgcacagc ccttaa 226
```

<210> 439

<211> 273

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599662

<400> 439

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catgaggaat atatactata attcataaat gcctaattat caaaataatg acatagtcat 120
ggttagatgc aacctagaaa tcttatataa gatgcaacta catattgtat gatcattcct 180
cttatatatg acattcaatc ctcacaaat tcagctatga ataaatggca ttatgaaata 240
aacacttaat atcacaatag ggtcatagtc tgc 273
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<210> 440

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609006

<400> 440

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ccaaaataca ggtatgtttt cattctctat gccctaaac accctccctg cagctatgca 180
acgagcaatt cacgggaaga ggcttcttta catagacccc tgtttttggg gttttgattt 240
acttttgtgt atagagttga tctgtccctc ttcccattgg t 281
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<210> 441

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609027

<400> 441

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ttttgaacat gtagctcact ttatttttccc caaagatgtc ttgaaatttt aatcagttca 60
gtcatcccta tctttcttct tacatattaa tcctatagat tagtgactct tgtataagac 120
aagaaaaact aatgtgcttg tttgatataca gcacagatca gtctctaagc agaagtgaac 180
atatgggaaa atgagttgga aaggaaaaatg ttatagaaaa tagtaaagac aaaccatggg 240
accacctttt ctcaagtgaga gatacattgt cgggggcaga gtgctggaga gctgggcaga 300
gaggaacaaa atgtctgaca gcaggagccg gagcccaggg aggaaaccag atggaaaggg 360
ctctgctcag actgactcaa tgtgggcaca tatgggataa aggacatcac agagaactca 420
ggaacagaaa ccacactgaa atagagggat ggggagacat gctgggc 467

```

<210> 442

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609309

<400> 442

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tttcctcact gatagctgat cacattaaac aggtacaggt gctaagaaag ttttaagactg 60
atattttggc aatgacagtt taggttaact ctgtttggaa ttcctaaaaa taaaaagaaa 120
tcccttaaaa aaggctgaca aactgaccac ttggccttga atcgactgtt agggtcacac 180
ctgccaatgc caggggacat cacaacaaaa tagagaatgc caagataaaa agttcactgc 240
attcaatttg gcctaatttc ttgataatag tttcctatta gattttccga ttaatactga 300
tggctcttac ctaggctgtg ataattaggt tttgatctat tgtgacatta atgatcacia 360
tcagttgact ttgaaattgt cttaattaat ggctctttc 399

```

<210> 443

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609312

<400> 443

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ttttgggttt gtttctttta atcacaagaa gtctctctgt ggggtgctgag ctccaccgtgc 60
cgcaacgtca tggttatggg tggctggtcc ccagtcagtc tcgtgtggca gtcgggacct 120
tctacttcct tgccttcgct ttctttcctt tgctcgctct ttggggcttc agggcttcct 180
cctggcctgc gtggctggtg atggggggcg ggataggggt gggggcgctg aggttcagag 240
tcttcttctg aagcttcagg tccaagatgg cgaatgtgtt ctggatctgg cgtgcagca 300
gtcctgcag gagctccatc tgggtgtgga ctgcctggca gatgaggctc tccaactcct 360
gtctctccag gacctggccg ggctgcg 387

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<210> 444

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609504

<400> 444

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gttggttttt ttttctttta aaataagact ttactgaata tatcaacaag gtactgtata 60
gtgtagagtg aagtttgtca ttaacaaagt gtgcgacatg gtaggtctca gaggatgtgt 120
gatgcagaat ctttcagccc cttatcagag agaacacact aaacagaaac cagaagcaaa 180
tcagcatatg gttcaacaaa taacaaatca tcagggttaac tttcagtga tataactag 240
tcctatgagc gacacacact tggcaatgcc ttcaccttgc cttaaacatt ataaatctta 300
cattccaggg acacctttac aaatgccctt gtttgtgtgt gtgtgtgtgt gtg 353

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<210> 445
 <211> 424
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA609645

<400> 445
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 gggggcaggg agagtgcagg aggggtcaggg gtgagcagtc cggggccggg cctggagggg 120
 gctgaggctg ccgtcgtggg aggggcttgg ctggcggagg cgggctgcct gtggaggcct 180
 tgaagctttg ccagcagctc ctggatgaag tctctgacag gtttcccaca tgacttcagg 240
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 ttgatctcat cgggcatgtc tgcctccatg ccgcgggtaca gctcctccag gcgcccgtcg 360
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 cgcg 424

<210> 446
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA609657

<400> 446
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 cggacacata tggctgtctt ctggtgactg tttctctcaa actaaccacg cgggtccatt 180
 agaagctgcc atgctctcag aggagcccc gccacattct gccagcctca gctccagagg 240
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<213> Homo sapiens

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```

<210> 465

<211> 1601

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AF141349

<400> 465

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<210> 466

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. C02016

<220>

<221> unsure

<222> (1)..(330)

<223> n = a or c or g or t

<400> 466


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```

<210> 467

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. C14898

<400> 467

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tagtatactc aaagaaaaac atgtattttt cttagggaac ttcaaatttg ttttatattt 240
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```

<210> 468

<211> 287

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. C15965

<400> 468

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gactgtgcac taaagtgggg gctttaactg tagtatttgg cagagttgcc ttctacctgc 240
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```

<210> 469

<211> 146

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. C20547

<220>

<221> unsure

<222> (1)..(146)

<223> n = a or c or g or t

<400> 469

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```

<210> 470

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. C20658

<220>

<221> unsure

<222> (1)..(394)

<223> n = a or c or g or t

<400> 470

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cagatttcag aacatgtgtt aatagtatat atgccactga aaacttaggt cctgtatcan 180
ncttttttnt ttaagacttt ttaagaaata ttacttaaac atgtggcttg ctcagtgttt 240
aattgcaagt tttcaatctt ggactttgaa aacaggatta aacgttagta ttcgtgtgaa 300
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```

<210> 471

<211> 2589

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D10522

<400> 471

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a

121

<210> 474
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. D11824

<220>
<221> unsure
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<223> n = a or c or g or t

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<210> 475
<211> 404
<212> DNA
<213> Homo sapiens

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<223> Genbank Accession No. D11961

<220>
<221> unsure
<222> (1) .. (404)
<223> n = a or c or g or t

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gtaatgcttt actaagtagt gcaatgaatt tttattttta atccctgtgc ccnatttttg 360
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<210> 476
<211> 4211
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. D13628

<400> 476
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| | | | | | | |
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| caacatctgg | aacatgtgat | ggaaaattat | actcagtggc | tgcaaaaact | tgagaattac | 660 |
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<213> Homo sapiens

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 btwcatacac agttaacgag gcaggccaga aagagttyat ctgtaggctc agcctcgctc 300
 tcacctcgtg ccgaattcct kcagcccggg ggayccacta gttctagagc ggccgccacc 360
 gcggtggagc tccagctttt tttccytta gtgaggggta attg 404

<210> 496
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D51069

<400> 496
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 atgtatgcat acacacagac agacacacac acccgaagtc tctagccagg cgccggttym 180
 catcccyaaag taccattctc tcatttgggc ccytctaggg ktggggcccy cgtgccgaat 240
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<210> 497
 <211> 310
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D52692

<400> 497
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 gcagcaaacc ccagggktgt gcagttacag atcaaaatgc aatgtacatg acagatataa 180
 vvrcvcagtg tggracaaaa taatttaaata tatgggttaca atctactgaa graatatcca 240
 catcttatat aaacacattt ttagtctagg gktgtattta aatattcgkt btacatacac 300
 agttgagacg 310

<210> 498
 <211> 347
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D60074

<220>
 <221> unsure
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 <223> n = a or c or g or t

<400> 498
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 tactaacatc acatgtacat ttttggtttt ttaatttaat gtacagaaca ggatatactg 180
 taaaabtytt cttcaccttt ttaaaagctt catttgcaag ggcaggvcat gtacctaaca 240
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 atctttttatt tactaagrtg gacaacactg tatttccata gcttttg 347

<210> 499
 <211> 310
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. D60272

<400> 499

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caaataatatt gtacaaaaat acaaagtttt aaaagctctt taagtataty ccatattaty 180
actaatagty ggccyatata tcttatgcct gcatatttyb cctacacttg gwttttagaa 240
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atamcctttt                                     310
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<210> 500

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D60755

<400> 500

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acggagctga gggggaggtg tgcaggttcc agcctagatg ttcaggattg agatgtgggt 180
cgtgaaagga aagtgggttt tccgggatgt gggggctttt ctvagcactg ggtccactga 240
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<210> 501

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D62584

<400> 501

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tccccatttg tcaaagttga cctcaagata acatttttca ttaaagcatc tgagatctaa 120
gaacacaatt attattctaa caatgattat tagctcattc acttattttg ataactaatg 180
atcacagcta ttatactact ttctcgttat tttgtgtgca tgccctcattt cctgacttaa 240
acctcactga gagcgcaaaa tgcagcttta tactttttac tttcaattgc ctagcacaat 300
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<210> 502

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D62965

<400> 502

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tgaatcaaca ttaaagcctt ttctctcaaa gcgtttattg agaaactcaa atgaatatac 240
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at 482
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<210> 503

<211> 1375
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D64154

<400> 503

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| cgcgctcttt | ccaagcctgg | tgccaggctc | tcggggcgcc | tccaacaagt | acttggtgga | 120 |
| gtttcggggc | ggaaagatgt | ccctgaaggg | gaccaccgtg | actccggata | agcggaaaag | 180 |
| gctggtgtac | attcagcaga | cggacgactc | gcttattcac | ttctgctgga | aggacaggac | 240 |
| gtccgggaac | gtggaagacg | acttgatcat | cttccctgac | gactgtgagt | tcaagcgggt | 300 |
| gccgcagtgc | cccagcggga | gggtctacgt | gctgaagttc | aaggcagggg | ccaagcggct | 360 |
| tttcttctgg | atgcaggaac | ccaagacaga | ccaggatgag | gagcattgcc | ggaaagtcaa | 420 |
| cgagtatctg | aacaaccccc | cgatgcctgg | ggcactgggg | gccagcggaa | cgagcggcca | 480 |
| cgaactctct | gcgctaggcg | gtgaggggtg | cctgcagagc | ctgctgggaa | acatgagcca | 540 |
| cagccagctc | atgcagctca | tcggaccagc | cggcctcgga | ggactgggtg | ggctgggggc | 600 |
| cctgactgga | tctggcctgg | ccagcttact | ggggagcagt | gggcctccag | ggagcagctc | 660 |
| ctcctccagc | tcccggagcc | agtcggcagc | ggtcaccccg | tcateccacca | cctcttccac | 720 |
| ccgtgccacc | ccagcccctt | ctgctccagc | agctgcctca | gcaactagcc | cgagccccgc | 780 |
| gcccagttcc | gggaatggag | ccagcacagc | agccagcccg | acccagccca | tccagctgag | 840 |
| cgacctccag | agcatcctgg | ccacgatgaa | cgtaccagcc | gggccagcag | gcggccagca | 900 |
| agtggacctg | gccagtgtgc | tgacgccgga | gataatggct | ccatcctcgc | ccaacgcgga | 960 |
| tgtccaggag | cgctgtcttc | cctacttgcc | atctggggag | tcgctgccgc | agaccgcgga | 1020 |
| tgagatccag | aataccctga | cctcgcccca | gttcacagcag | gccctgggca | tggttcagcgc | 1080 |
| agccttggcc | tcggggcagc | tgggccccct | catgtgccag | ttcgggtctgc | ctgcagaggc | 1140 |
| tgtggaggcc | gccaacaagg | gcgatgtgga | agcgtttgcc | aaagccatgc | agaacaacgc | 1200 |
| caagcccagc | cagaaagagg | gcgacacgaa | ggacaagaag | gacgaagagg | aggacatgag | 1260 |
| cctggactga | gccacgcgcc | gtcctccgag | gaactgggcg | cttgacagtgc | gttgcacacc | 1320 |
| ctcacctccc | acccactgat | tattaataaa | gtcttttctt | ttacctgcaa | aaaaa | 1375 |

<210> 504
 <211> 383
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D80059

<400> 504

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| attgggcctt | gttttccaac | ccttagactg | catccacttt | gagaaaagty | ttgtcaaaaag | 120 |
| catcatttta | gcgctttctt | ttagaggcag | ggtcctgaca | actcttgatt | aacacacaca | 180 |
| tccaggcact | ttgtytctyt | tccctcggtg | tcctttkata | aacaccaact | ggcagagggg | 240 |
| acatggagca | ttttttcttc | aattgcagtg | attctttkag | ggaaaggggg | cytcaggagc | 300 |
| attgttcaca | ttctccgbyt | tgtcctggga | ggcagttaga | ggatgtkgtc | actccagaat | 360 |
| aatttwttka | ktcacatact | tyt | | | | 383 |

<210> 505
 <211> 328
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D80063

<400> 505

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| tgccagctgc | atgcaagccc | ctamgttaga | tacaatcmgc | cctcttcatc | agcagggtcca | 120 |
| catcttcmga | ttcaactmga | ygcggctgaa | tatttgamgg | aagaaaaaat | aaaaatacaa | 180 |
| atmgaamgaw | acagtataac | aacygttkcc | attatacaat | atctatacat | ttcgtttagtg | 240 |

atgacttcaa gtacayggga ccaggcacgg tgactcacac ttgtatycca acacttcgga 300
 ggscaacctg ggagsatagt gagacctt 328

<210> 506
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D80237

<400> 506
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 atcagaaaag ggacagytag cgtgggagca gaggrgccag aacaggcagg rggrgggccc 120
 ggccaggaag ytytggrgga ctcacctgc cacctytggc acaggcactg gcactgacgg 180
 acaaggsgaa acagcggccc ctctcaactg ggrgggcacc aatggcccct gtagccagag 240
 gttgcccggc ttttgggccc caggtcctag gcatgactgg tggtcaccaa tttggccctt 300
 ktccccaacc agtgctgggg ggccatcttt aggcagaact caggaagcct cgtscggaat 360
 tcctgcagcc cggggga 377

<210> 507
 <211> 225
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D80298

<400> 507
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 tttttgcaaa aaaagtaaaa cctctcccctg bsacccctcc ccacaagata gagaataagg 120
 acttgacag agaaacaata camatctaam catgaaactg tcgctcatcg gttgggtcca 180
 rgaggctcca mcatattata ttctargwaa rrggtccatta aatta 225

<210> 508
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D80617

<400> 508
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 taaaagttat aaataagggg ctttcaaaaac agggcggggg caaatctgga gtggggcggc 180
 gggttgcggg ggccctcagac atgcagaagg ggacggggcg ccggccgggc cagcaggccc 240
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<210> 509
 <211> 351
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D80738

<220>
 <221> unsure
 <222> (1)..(351)
 <223> n = a or c or g or t

<400> 509
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 ccctgaaaag aactgaagac agaggaaatca tactttctctt taataacctvt ggggaaggcc 180
 caggctaagg atgagggcag ggaccagtcc cagtgcctccc tggggagaga agagggagam 240
 gcttgggcac aaactcccag tggbcctgca aggctatcat ccctggatct tgctggagtg 300
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<210> 510
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D81655

<400> 510
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<210> 511
 <211> 1425
 <212> DNA
 <213> Homo sapiens

<220>
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 <211> 493
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. D82534

<220>
<221> unsure
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<223> n = a or c or g or t

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cctgtttect cca 493

<210> 513
<211> 3198
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. D83018

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gggaggcaca gctgtgcca tgataccatt tgcttcaatt tggatggcgg atatgattgt 1980


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cgatgtcctc atggaagaa ttgcacagg gactgcatcc atgatggaaa agttaagcac 2040
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| | | | | | | |
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| cagcggcagt | gaggagcagc | tggaggccac | agcccgagg | gacggggacg | gggacgagga | 3360 |
| cggcccggcc | cagcagctct | caggattcaa | caccaaccag | tccaacaacg | tgctgcaggc | 3420 |
| cccactgccc | cccatgaggc | tccgtggcgg | gcggatgaca | ctgggctcct | gcagggaag | 3480 |
| gcagccggaa | ttcgtgtgag | ctgggggtggg | gctgggacca | caggtggctt | ctctcttgcc | 3540 |
| tgctcctgtc | cctccagcac | gtcccctgca | ccacggcata | gcttaggtgc | gccgtcctgg | 3600 |
| ggtcgctgcc | gagagcgcct | ggacttcgac | gtcccaccag | cgggcgcctc | ctcccagagg | 3660 |
| cttcaggag | cacgagggcc | ttgcggcaca | ggactgtgcc | ctgtgctgtc | ccctgcaccc | 3720 |
| cggctcagct | gagctgggga | acactgctgt | cgtgtgaagt | cacagtggcc | ttgttggtgc | 3780 |
| ccacagggct | gtgtggatgg | aggaagctgt | ccctgcccag | tgcatcccc | aggtcatcac | 3840 |
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| agaaaccatt | ctgggagccg | tggatggggg | cggagctggg | gtttggtgca | gtttccaggg | 3960 |
| tgagtagacg | cagggcctga | atactggccc | tggactccct | tttccagaac | accaggtgtg | 4020 |
| gccacctggg | gctcaggtac | acagtggggg | ctctcggaag | ccaccgtgtg | gttctttcac | 4080 |
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<211> 2036

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D87258

<400> 516

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| cgcgccgctc | ttctcccgc | gctgctgctg | ctgctggcgg | cgcccgcctc | ggcgagctg | 120 |
| tcccggggcg | gccgctcggc | gcctttggcc | gcccgggtgc | cagaccgctg | cgagccggcg | 180 |
| cgctgcccgc | cgcagccgga | gcactgcgag | gcccggccggg | cccgggacgc | gtgaggctgc | 240 |
| tgcgaggtgt | gcggcgcgcc | cgagggcgcc | gcgtgcggcc | tgaggaggag | cccggtcgcc | 300 |
| gaggggctgc | agtgcgtggt | gcccttcggg | gtgccagcct | cgccacgggt | gcggcgggcg | 360 |
| gcgcaggccg | gcctctgtgt | gtgcgccagc | agcgagccgg | tgtgcggcag | cgacgccaac | 420 |
| acctacgcca | acctgtgcc | gctgcgcgcc | gccagccgcc | gctccgagag | gctgcaccgg | 480 |
| ccgcccgtca | tcgtcctgca | gcgcggagcc | tgccggccaag | ggcaggaaga | tcccaacagt | 540 |
| ttgcgccata | aatataactt | tatcgcgagc | gtggtggaga | agatcgcccc | tgccgtggtt | 600 |
| catatcgaat | tgtttcgcaa | gcttccgttt | tctaaacgag | aggtgcgggt | ggctagtggg | 660 |
| tctgggttta | ttgtgtcgga | agatggactg | atcgtgacaa | atgccacgt | ggtgaccaac | 720 |
| aagcaccggg | tcaaagttag | gctgaagaac | ggtgccactt | acgaagccaa | aatcaaggat | 780 |
| gtggatgaga | aagcagacat | cgcactcatc | aaaattgacc | accagggcaa | gctgcctgtc | 840 |
| ctgctgcttg | gccgctcctc | agagctgcgg | ccgggagagt | tcgtgggtcg | catcggaagc | 900 |
| ccgttttccc | ttcaaaacac | agtcaccacc | gggatcgtga | gcaccaccCa | gcgaggcgcc | 960 |
| aaagagctgg | ggctccgcaa | ctcagacatg | gactacatcc | agaccgacgc | catcatcaac | 1020 |
| tatggaaact | cgggaggccc | gttagtaaac | ctggacgggt | aagtgattgg | aattaacact | 1080 |
| ttgaaagtga | cagctggaat | ctcctttgca | atcccatctg | ataagattaa | aaagtctctc | 1140 |
| acggagtccc | atgaccgaca | ggccaaagga | aaagccatca | ccaagaagaa | gtatattggg | 1200 |
| atccgaatga | tgtcactcac | gtccagcaaa | gccaaagagc | tgaaggaccg | gcaccgggac | 1260 |
| ttcccagacg | tgatctcagg | agcgtatata | attgaagtaa | ttcctgatac | cccagcagaa | 1320 |
| gctgggtggtc | tcaaggaaaa | cgacgtcata | atcagcatca | atggacagtc | cgtgggtctcc | 1380 |
| gccaatgatg | tcagcgacgt | cattaaaagg | gaaagcacc | tgaacatggg | ggtccgcagg | 1440 |
| ggtaatgaag | atatcatgat | cacagtgatt | cccgaagaaa | ttgaccata | ggcagaggca | 1500 |
| tgagctggac | ttcatgtttc | cctcaaagac | tctcccgtgg | atgacggatg | aggactctgg | 1560 |
| gctgctggaa | taggacactc | aagacttttg | actgccatth | tgtttggtca | gtggagactc | 1620 |
| cctggccaac | agaatccttc | ttgatagttt | gcaggcaaaa | caaatgtaat | gttgcatatc | 1680 |
| cgcaggcaga | agctgtcccc | ttctgtatcc | tatgtatgca | gtgtgctttt | tcttgccagc | 1740 |
| ttgggccatt | cttgcttaga | cagtcagcat | ttgtctctc | ctttaactga | gtcatcatct | 1800 |
| tagtccaact | aatgcagtcg | atacaatgcg | tagatagaag | aagccccacg | ggagccagga | 1860 |
| tgggactggg | cgtgtttgtg | cttttctcca | agtcagcacc | caaaggtaa | tgcacagaga | 1920 |
| ccccgggtgg | gtgagcgtg | gcttctcaaa | cggccgaagt | tgctcttttt | aggaatctct | 1980 |
| ttggaattgg | gagcacgatg | actctgagtt | tgagctatta | aagtacttct | tacaaa | 2036 |

<210> 517

<211> 1137

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D87292

<400> 517

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| gtgctctacc | gggcgctggt | ctccaccaag | tggctggcgg | agtccatcag | gactggcaag | 120 |
| ctggggcccg | gcctgcgggt | gctggacgcg | tcctggtact | caccaggcac | ccgagaggcc | 180 |
| cgcaaggagt | acctcgagcg | ccacgtaccc | ggcgccctct | tctttgacat | agaagagtgc | 240 |
| cgggacacgg | cgtcgcccta | cgagatgatg | ctgcccagcg | aggctggctt | cgccgagtat | 300 |
| gtgggcccgc | tgggcatcag | caaccacacg | cacgtggtgg | tgtatgatgg | tgaacacctg | 360 |
| ggcagcttct | atgctccccg | ggtctggtgg | atgttccgtg | tgtttggcca | ccgcaccgta | 420 |
| tcagtgtctc | atggtggctt | ccggaactgg | ctgaaggagg | gccacccggt | gacatccgag | 480 |
| ccctcacgcc | cagaaccggc | cgtcttcaaa | gccacactgg | accgctccct | gctcaagacc | 540 |
| tacgagcagg | tgctggagaa | ccttgaatct | aagaggttcc | agctggtgga | ttcaaggctt | 600 |
| caagggcggg | tcctgggcac | cgagccggag | ccggatgcag | taggactgga | ctcggggccat | 660 |
| atccgtggtg | ccgtcaacat | gcctttcatg | gacttcctga | ctgaggatgg | cttcgagaag | 720 |
| ggcccagaag | agctccgtgc | tctgttccag | accaagaagg | tggatctctc | gcagcctctc | 780 |
| attgccacgt | gccgcaaggg | agtcaccgcc | tgccacgtgg | ccttggtgct | ctacctctgc | 840 |
| ggcaagcctg | atgtggccgt | gtacgatggc | tcctggtccg | agtgggttct | ccggggcccc | 900 |
| ccagagagcc | gtgtgtccca | gggaaagtct | gagaaggcct | gagccgtgac | ctcttctgct | 960 |
| tactgtaact | gcggccggtt | tagtgacccc | atgacttaca | gccggttctt | acctcttagg | 1020 |
| tgaaggagat | gacatgtttt | ttagaattgc | tgtgcaaggc | tcacctctct | tctgtcaaca | 1080 |
| ctggaataaa | ctttgccttt | tctgaaaaaa | aaaaaaaaaa | aaaaaaaaac | ggaattc | 1137 |

<210> 518

<211> 5316

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D87465

<400> 518

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| ctacagttac | agccccgtct | ggcgcgacct | ctctgattct | ctctccctct | ccgcgtccag | 120 |
| tgctgggctt | tttcagacaa | gtgcatctcc | taaccaggtc | acatttcagc | cgcgaccac | 180 |
| tctccgccag | tcaccggagg | cagaccgcgg | gaggagagct | gaggacagcc | gcgtgcgctt | 240 |
| cgccagcagc | gggggtggag | gaaggacatt | aaaatactgc | agaagtcaag | accccccagg | 300 |
| tcgaaccacg | accacgatgc | gcgccccggg | ctgcgggcgg | ctggtgctgc | cgctgctgct | 360 |
| cctggccgcg | gcagccctgg | ccgaaggcga | cgccaagggg | ctcaaggagg | gcgagacccc | 420 |
| cggcaatttc | atggaggacg | agcaatggct | gtcgtccatc | tcgcagtaca | gcggcaagat | 480 |
| caagcactgg | aaccgcttcc | gagacgaagt | ggaggatgac | tatatcaaga | gctggggagg | 540 |
| caatcagcaa | ggagatgaag | ccctggatac | caccaaggac | ccctgccaga | aggtgaagtg | 600 |
| cagccgccac | aaggtgtgca | ttgccagggg | ctaccagcgg | gccatgtgca | tcagtgcgaa | 660 |
| gaagctggag | cacaggatca | agcagccgac | cgtgaaactc | catggaaaca | aagactccat | 720 |
| ctgcaagccc | tgccacatgg | cccagcttgc | ctctgtctgc | ggctcagatg | gccacactta | 780 |
| cagctctgtg | tgtaagctgg | agcaacaggc | gtgcctgagc | agcaagcagc | tggcgggtgc | 840 |
| atgcgagggc | ccctgcccc | gccccacgga | gcaggctgcc | acctccaccg | ccgatggcaa | 900 |
| accagagact | tgacccggtc | aggacctggc | tgacctggga | gatcggtgct | gggactgggt | 960 |
| ccagctcctt | catgagaact | ccaagcagaa | tggctcagcc | agcagtgtag | ccggcccggc | 1020 |
| cagcgggctg | gacaagagcc | tggggggcag | ctgcaaggac | tccattggct | ggatgttctc | 1080 |
| caagctggac | accagtgcgt | acctcttctt | ggaccagacg | gagctggccg | ccatcaacct | 1140 |
| ggacaagtac | gaggtctgca | tccgtccctt | cttcaactcc | tgtgacacct | acaaggatgg | 1200 |
| ccgggtctct | actgctgagt | ggtgcttctg | cttctggagg | gagaagcccc | cctgcctggc | 1260 |
| agagctggag | cgcattccaga | tccaggaggc | cgccaagaag | aagccaggca | tcttcatccc | 1320 |
| gagctgcgac | gaggatggct | actaccggaa | gatgcagtgt | gaccagagca | gcggtgactg | 1380 |
| ctggtgtgtg | gaccagctgg | gcctggagct | gactggcacg | cgcacgcagt | ggagccccga | 1440 |
| ctgcgatgac | atcgtgggct | tctcggggga | ctttggaagc | ggtgtcggct | gggaggatga | 1500 |
| ggaggagaag | gagacggagg | aagcaggcga | ggaggccgag | gaggaggagg | gcgaggcagg | 1560 |
| cgaggctgac | gacgggggct | acatctggta | gacgcctca | gaagccggct | gccggggggg | 1620 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| actcaacagc | agagctctga | gcagcagcag | gcaacttcga | gaacggatcc | agaaatgcag | 1680 |
| tcagaaggac | cctgctccac | ctggggggac | tgggagtggtg | agtgtgcatg | gcatgtgtgt | 1740 |
| ggcacagatg | gctgggacgg | gtgacagtgt | gagtgcatgt | gtgcatgcat | gtgtgtatgt | 1800 |
| gtgtgtgtgt | gtggcatgcg | ctgacaaatg | tgtccttgat | ccacactgct | cctggcagag | 1860 |
| tgagtaaccc | aaaggccctt | tcggcctcct | tgtagctgtt | ttctttcctt | ttgttgttgg | 1920 |
| ttttaaaata | cattcacaca | caaatacaaa | ttgacagggtc | aaaatccatg | aaatgagatc | 1980 |
| ccccagccgt | gtectccagc | ccagccctga | ccccttgggt | tctaccctgg | ctccccttgg | 2040 |
| tttctaccct | ggctcaaccg | accctgtct | gcccttctcc | ctcctgcttc | tgaggccaag | 2100 |
| ctctggcctg | cgagcctgtc | cccattgcaa | aggggaggga | ggggcaggga | gctgtctacc | 2160 |
| agctgaggtc | ctcccaaaac | tgggcccag | tgggtgtgaca | tccccaccag | cctcagatga | 2220 |
| gacggggccag | gacgcccagc | cacagcaagc | cctgtccctt | tgcgggatcc | ccaaacacta | 2280 |
| gagaagctct | cctaacccaa | ggcggagaat | gaaggtggtg | gcggcagagg | aggagggcag | 2340 |
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| ccagggtggtg | caggtagaac | agggtaggga | gaggggggtcg | gctcaacagg | aggaggctgt | 2460 |
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| ctggaatagc | ctgtcccttt | tctctgggtc | tcgtggtgga | gccatgatct | gggctgctct | 2580 |
| cttggggaca | ctgggtggtg | gttacacagt | tgacctctgc | ctggctcccc | cttgggtgcaa | 2640 |
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| acccttaaca | ctcctgtcct | gcccagacca | acagagagag | ctgtccctga | gaccccgag | 2820 |
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| caggggagag | ccaccacag | gccatgtcca | gccccacttc | cctcagcccc | cagggcttcc | 2940 |
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| tttgaagcct | gcaatgtgga | aaagttagaa | gtcagaggga | acaggacagg | tgcagccggg | 3060 |
| ctctgaggcc | acacctcaca | cctcgtgtt | ccccaacatc | ccctgagcag | tgtgagctca | 3120 |
| tctcaccaga | tgagaagagg | ccctgtgcat | ttcttttgtt | tgtttgttgc | tgttttcccc | 3180 |
| cacccatcca | gttctcctca | gcaaagcaaa | tctccttaaca | cctttggtgg | agaatttctt | 3240 |
| accctgacct | ggggctgtga | tgcccttcag | gtcgtggtga | gtgcagcgtg | tgtgcgtgtg | 3300 |
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| aaagcaaaag | ggactgaact | agcctctggt | aggattgcag | gggtccagcc | ttgcctgttt | 4080 |
| ccgaagcccc | cacactgcct | ttcgccccac | tgagactggt | cccccaaaa | ggtagacaaa | 4140 |
| acagcagctc | cctgtggagc | tgaaggggcg | cctcaaagtg | gctttttgtt | agacaagggt | 4200 |
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| taaccatgtg | ttcaaagaac | ggtttcttgc | ttgcttggtc | ctggaactcc | ccttggctgc | 4440 |
| cccaggcctc | cttggcccat | gggtgctggg | ggagggtgat | gtcagatctg | gtaggttgca | 4500 |
| gcagagaaaa | taaattgtgc | ttgagagacc | actcagagag | ggtccaaggg | tgatggagaa | 4560 |
| ggaagcatgg | cctgggagct | tggaaaggag | gggtggtggg | tggcggcatc | ttgactgcc | 4620 |
| cctgttgctc | cacacgtggg | gggtggtcac | cccccttcac | tccagccgc | ctgccttcag | 4680 |
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| caacacgggg | accctctgct | tcaccaaagc | ccagccctc | agcccctggg | gagaacaaat | 4800 |
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| gagacaccac | agaaggagac | ccagacatcc | cgagggaagt | cccagcagag | caaactgctt | 4920 |
| tccagcctga | agcctgctta | aactgtgtga | tgtgcaataa | ctgagcttag | agttaggaat | 4980 |
| tgtgttcaag | tgcttggatt | tccgtctgta | gatttaactg | ctgaaattgt | atctctcagt | 5040 |
| aatttttagat | gtcttttaaa | aaattgaaaa | acaaagtgtt | agactgtgtg | cgtgtgcgtt | 5100 |
| gatgggcact | caagagtccc | gtgagtcac | cagccctgcc | tttccccctgc | gcccccatcc | 5160 |
| tctcacgtcc | cgccctgcct | ccacttgggg | accctgcctc | gtgtcgtctt | tatctgccta | 5220 |
| ttactcagcc | taaggaaaca | agtacactcc | acacatgcac | aaaggaaatc | aaatgttatt | 5280 |
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<220>
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 <223> n = a or c or g or t

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 <211> 298
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<220>
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 cagtggcaaa gcacacacat aggtatactc caacgtgtag cactggggca aacttcagac 120
 atggaacatt aggcaccaag ttcacaatca cactaaacat agttcacaat ccttcaatcc 180
 atactcttca gtggaggatg aggccttatt taacagttaa ctgggacaga cagatgaagt 240
 tttaaaatct aattcttggc ctaactgtgg agtggggctg actcagcctt cagaactg 298

<210> 523
 <211> 212
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02333

<400> 523
 gcattaacag taaccccaag aaaggcatca gggttctgga gtgggtggtt gagtgacaca 60
 gcacaaggcc ttgatttcac catgcttttg ctgtggatgt agtgtagctt gctgaacagg 120
 tatggaagct gtcttttgctg ttaagtactt ctcccgtttg tttatcaacc tgcagctaac 180
 aggatgtctg ctttttttaca ggtttatttc ac 212

<210> 524
 <211> 221
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02470

<400> 524
 gtttcacatg agtgaaaaaa ttaacagctg ccctcatttc tgaaaaacaaa aaactataaa 60
 caatcactgt tgctcccaat gggaccgttg gacataagcc ctgaggcttt ggggtcaacg 120
 ggctagactc tagaagccca ggaccccgcc aaggctcatgt ctgcatactt ggggcagggc 180
 gagctgttga accatcgcat ttctctgctg cttcttttaca t 221

<210> 525
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02739

<220>
 <221> unsure
 <222> (1)..(315)
 <223> n = a or c or g or t

<400> 525
 aaatctcttc tgtgtgtttt ctttttttgt tgcttttttt tcctcttctg tttgtgtttt 60
 tttgtcgctt ttttgatttt ttnccttttt gttccttgca gcagaagctc cacagacgtt 120
 taataacaac accgggaggg gtgggggaga gagagctgga cagtcagatg ggggcgccat 180
 agccagacac caaacgtggg gacaccgggg gaaggcaact taactatagc taaagtcggg 240
 ggttttgcaa ttctcagttc cgatggggcc gctgagtggg gtggggagcg gtgcgagggc 300
 tcccaggggc tccgg 315

<210> 526
 <211> 312
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02992

<220>
 <221> unsure
 <222> (1)..(312)
 <223> n = a or c or g or t

<400> 526
aagaattttta gtttttttct tccccagac tttttttttt tttttttttt tttttttaag 60
gaaaaaaacc cccgccaat ctgaaccgct ttgtagctcg gtccccgcct cctcagcggg 120
ctgtcgcgtg caacaaacct ccccatcat cttagaaaat aattatagag cgcggcgccc 180
cgccctcgnt cctgccagt ggcgnttttg toctattttt tggattattt cattacgaag 240
cacgtgaatg aatctagccc ccacaccttc aagaaagaaa ctgcgcggact ggggttgaaa 300
agcccaggtg gg 312

<210> 527
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F03254

<220>
<221> unsure
<222> (1)..(202)
<223> n = a or c or g or t

<400> 527
attcatgggtc gantattatt tattgtcaga aagggtacagc attcacacca atatcagaca 60
aaatagattt taactaaaaa attatttctgn gacaaaaata acaatatatg tnaataaaaag 120
gctcaattaa aaatgtataa caattataaa cacatacaca tcaaacaaca gtncccaaaa 180
atacataaag caaacattga ca 202

<210> 528
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F03969

<220>
<221> unsure
<222> (1)..(305)
<223> n = a or c or g or t

<400> 528
gaactttggg aaaattattt atttctcccc acgggggttca gacaagtaat ttcacatttc 60
attgtaagtc aagggtgaaga aaacattttt tgtacatcca tcactaatag agatcacagt 120
atgtcaatga aatattttaa tacactgtac agagattgct ttttaattgga tttctataag 180
tagtattaat aggaaaaagc atataatata atctactctg tatctaagag cttaatttta 240
ttcaaataat ggaagaaatt catctnctga atttttctta tttaaaaagc attatgagaa 300
ctgat 305

<210> 529
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F04019

<220>
<221> unsure
<222> (1)..(261)
<223> n = a or c or g or t

<400> 529
cctcttcata aaaaaatatt tattagtttg aacatcgatt taaaaaaaaa tcagtcacat 60
aaaaaaaaacc cttcatgnca tgtcttttcc ctccacgcct cctgagatgg acgtgctcac 120
ctgggcctcg gaaatccac actcttcagt cggcaaactg cgaacaagaa caggaaatct 180
gccacgcgca aacacttggg gaggtcagtg ggacactgtt ggtttttaggg aagaaaatgc 240
ccctgtagct ccggcgggga a 261

<210> 530
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F04112

<400> 530
aatagagatg ggggatctca tcgtcaccca ggttggaatg cagtgatacc atcacagctc 60
gctgcagcct ccacctcctg ggatcaaccc ctacctcatt ctctgactg ggactacagg 120
cactcaccac cacactgggc taattaaaaa aaaaaattct tttttgtagg gaagtgggtct 180
tgctatgtca cccagggtga tctagaactc ctgacctcaa gtcacccgtc cgcattatcc 240
tcccaaagtg ctgagattac agacgtgagc cactgcactt ggccatttta gggcttctaa 300
ttcactttcc ttttccttct tgtctaattc ttgtg 335

<210> 531
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F04492

<400> 531
gtagagacgg agccatccat gtttcccagg ctggtctcga actcctgggc tcaagcaatc 60
ctgccgcatt ggccctctcaa agtgctgcga ttacaggtgt gagccattgt gcctggccaa 120
aatgtgtatt tttaatatgc tgctgagttg actcttgtat gatcaggagg agcatttg 178

<210> 532
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F04816

<220>
<221> unsure
<222> (1)..(211)
<223> n = a or c or g or t

<400> 532
gatgtaacat ttgttnatttt attggaaaaa gctggtatta acatatttat agttttattc 60
aacaattggg taatttgtga gacaccaaag aaaaaaagaa tgcacctatg agttacagag 120
tccaaactga tcagggctga caacttgacc accatgtntc ccacaccacc acccccacca 180
ccaccaccac caacagcttc gtcctcagag a 211

<210> 533
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F09281

<220>
 <221> unsure
 <222> (1)..(276)
 <223> n = a or c or g or t

<400> 533
 actgttttaa tataattgaa gtttttnata tgatgaagtg ctccataatt taaatgtaaa 60
 aaaccaatag gaaatatatg aaataaaaata aaattatacg taaaagtgc aatgcctcta 120
 ttagatttaa cagtatctta caatagaata agttgaaacc tacaaaatgg aagaaagttt 180
 aaaattaggc agatattatc ancctgggtga agaataaata catatgtcaa taagcattta 240
 atgtatttgg tcttagattt tacatgaaat aataaa 276

<210> 534
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F09315

<400> 534
 acagaaattg acctttatctt gttgtactaa agcctgttta acttttgata caaagtaaca 60
 ttttagtaca gaaaatccca gtctgtcagc tcagtacctg tctgtgcaca ctgtaccatc 120
 tcagtccac tctgcctgta acttagaaaa cagcccctac cccagaggt ctgcgagtt 180
 ataccttgag aatagtctac agtttttcat agtttgtctg agctagaaaa cttgtacctg 240
 taaaacaaag gacagcattg aggactgaaa cttgtctctt ttttgaacaa ctg 293

<210> 535
 <211> 214
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F09684

<400> 535
 gctttacata aacttataag gattttttat ttaaaggatt taaaaatata acacagtcaa 60
 tataaacatg tactgggaat tataaaccat tctttcttct aagcactgga tgagatacta 120
 aaaacatata gtatcttacc aatagccatt aaaataggct aaaatgaaaa agaaaccgtt 180
 gtaacaaggt tactaatccc ccaactttca atgc 214

<210> 536
 <211> 332
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F09748

<400> 536
 gaatgaaaga atccagcaga tatttattaa gcaagatgaa agtgaaatta caaacacagg 60
 tcaactttta aactcagcac tctgttgagg tggagggtgca cggtccttca tcataggcag 120
 cctatgcgag atgcatctta ggaaggaggc tttcgctgct cagaaatcaa agctccatcg 180
 gaggtgtcct actggaggca tcagacaaca agctaaatga cgtaggggct acacaacaca 240
 aaggggaaag ttgacaacaa ttcaggggct ttgagtagtc aagacaatta gcttagtact 300
 tcagggtcaat aaatgctaca atttatgggc aa 332

<210> 537
 <211> 332
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. F09748

<400> 537

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gaatgaaaga atccagcaga tattttattaa gcaagatgaa agtgaaatta caaacacagg 60
tcaactttta aactcagcac tctgttggag tggagggtgca cggtccttca tcataggcag 120
cctatgagag atgcatctta ggaagggagc tttcgctgct cagaaatcaa agctccatcg 180
gaggtgtcct actggaggca tcagacaaca agctaaatga cgtaggggct acacaacaca 240
aaggggaaag ttgacaacaa ttcaggggct ttgagtagtc aagacaatta gcttagtact 300
tcagggtcaat aaatgctaca atttatgggc aa 332
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<210> 538

<211> 247

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F10078

<220>

<221> unsure

<222> (1) .. (247)

<223> n = a or c or g or t

<400> 538

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catgccttga ggaaagctat ttatttccaa gatatagact gtacttttaa gacaggactt 60
ttcagaagca ggaaatttta gttgttgcca gagagggtgtg tcaaggacac agtgaaagga 120
gccatgcgga catgggggtgg aaggctttnt ccaacactgt tacaacactt ttgtaaatga 180
gcaaaacatc tttaaaaatc cttataaatt ctttataata tgttacacat ttagagacaa 240
tatttac 247
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<210> 539

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F10193

<400> 539

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aacataagtc gagaatttat ttggggccaaa tttgggggact gcaaccaagg agacacagat 60
tcaagttgcc atgaatatat gctttgatta gcagtagtac aagttggctt tcaataactca 120
tgtctctctg gatctgatac attttgcata cctcacatag ctcagacatc tctgagctac 180
tttccttctc atttcccttt tttgattgag atcttcctct tctgaaagca ttgataatca 240
acatttttaa cgtagctttt ccccatattg ctaggaaggc tcattcccgg gtaatctctc 300
tctacattgg agggaaagag gagaggcact acagcttaag aatttagtga agtcttaggc 360
taaatt 366
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<210> 540

<211> 179

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F10323

<220>

<221> unsure

<222> (1) .. (179)

<223> n = a or c or g or t

<400> 540
aatttataaa tgctttattg aaaaatacac ttatcttcat ataaaattac agtagcagta 60
tcttgagaag ttttataaat atttttgcag acactattct aattgaacaa tgtaagtncc 120
atatttctct cagcaatatg aagtnccag taacttngtt tatactgatt caattacaa 179

<210> 541
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F10980

<220>
<221> unsure
<222> (1)..(256)
<223> n = a or c or g or t

<400> 541
gacttaactc aggcaacttt tttttttaat ttnccttttt cgtatttcct agttatagat 60
ggagtttgca ggtcttaggc caatcttcaa tacaaatnct ttggagcaga ttttaattgac 120
agccctgtcc ctttctcagt catattacaa aaagaagcat acacttaaca ccaatgaccc 180
gtcaagatgc ttaaactggt acaaccagtt tccattaaaa aactgagaag tacataacac 240
gcagaaagga agcaag 256

<210> 542
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F13763

<400> 542
tttttttttt actttaattt ttcttttatt ttacttgaca gaaaaatttt ctggagagta 60
caatcaagat agtgtattat tagaaataac attaatagaa gcttggtcag aaatgataat 120
agtcataata agcatctctc tcaccaaggc attccacaca gagagatcac agcacaataa 180
ataaaggatt tctcatttgc cacacaacaa ataaaaacaat tgcagtaaca aaaatatgac 240
ttt 243

<210> 543
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H01068

<220>
<221> unsure
<222> (1)..(342)
<223> n = a or c or g or t

<400> 543
taacttcagt ctcaatctta cagtcacact ttgaaaatac attctgtata gatactaact 60
aatgcaaaga cttatatatg tattgttcat tacagcagtg tttgtagaag gctaaaaaca 120
acctaaatat ctgtcaatag aaaatggnaa aataaattac ggaaaatgaa taaattatgg 180
ttcatctaca ctagcaaggc atgcggttct tttttaaaaa agtaagaaat atgtgtctaaa 240
tacaaaanga tcttcatatg ccaaaggata aggaatgaaa ggatacaata tatttctcct 300
aggncatatg gtggattgga atatggggtg cttgggattg gg 342

<210> 544

<211> 415
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H01824

<220>
<221> unsure
<222> (1)..(415)
<223> n = a or c or g or t

<400> 544
attcacaana annnnntttta ttatttcttaa cagtactcac tttaaaggaa taagaggata 60
gcatacatTTT ttacagaca atatataaat gttgtacata attaacaata acttagttca 120
ctaattccaaa ataaaacaag ccaaataaaa cataaaaaca gaaaatactg ccgntttcttt 180
ttcttatgCG ggacactagn tacaaaataa gttactttctg ggccgtgggt gctccctgca 240
ggcgactgcc cgcccatatt gcacttgggt cactaacatc aggcacaatc ctccctccggg 300
ggccggggcc ccttcancag ggcccaccac accccgcCGT tcaccggcat tacaggaatc 360
ttaggcttgg gggacagggt tattattaca gctgttacct tggggggngg ggttc 415

<210> 545
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H02308

<220>
<221> unsure
<222> (1)..(309)
<223> n = a or c or g or t

<400> 545
tgatagcaca ttttagtttt taataaaatc tgctttttac ttatatTTTaa ataaattgcc 60
cagttactga atcagaagca tttcttacaa agcaaacaaa ataagcatcc cttctatggt 120
aataacatgt taatagtatg ttggcaagtt gatttagaac aacttgccaa caatacaaac 180
agaaaaaagg agtgggtcaa agaaatctag tttggcttta ttttcaatag atcatactgt 240
ctgttgaaaa aggaataaat aattatggag cctatctaata aatatactca atagnttgaa 300
attattgag 309

<210> 546
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H03387

<220>
<221> unsure
<222> (1)..(277)
<223> n = a or c or g or t

<400> 546
acgcaagtta gannanttat tatgataact ctgcaatctt ttcagccact cttaaagggt 60
cctgggcac cattctgggc acagtgtgac atttacctga acagagagga gantggcact 120
agaagatgag ggagatttgg tgcctaaaaa ttactacaaa caggcagggg gcagtggctc 180
acgcatgtaa tcccagcact ttgggaggcc gaggtgggtg catcacgagg tcaggagttt 240
gagatctgcc tggccaacat ggtgaaaccc catctct 277

<210> 547
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H05084

<220>
 <221> unsure
 <222> (1)..(372)
 <223> n = a or c or g or t

<400> 547
 tttttttttt ttcacagtga gcattaaatt attattccat acagccctgg ccctggccct 60
 tcttgaggga gtgggggttn tggggtntgc ccagcaggga tcctgccaga tgatgtccac 120
 atgagaaggc aggtgtccaa cagcttcagc ttcacccagt gccccccaga caaataatga 180
 caagtccagg gtcttctgat gtgtcaggcc agcactcccc ttgctgatgg gaaaaccggg 240
 gctcggccag cccactgca tcccctcaca tgatgatacg aggctctngc actgactcgc 300
 caatagactt gtggggcagc angctggctc cgttgaggta ggagctcatc attaactatt 360
 gacgtcctnc ac 372

<210> 548
 <211> 353
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H05625

<220>
 <221> unsure
 <222> (1)..(353)
 <223> n = a or c or g or t

<400> 548
 tttttttttt tttttttttt gcttcacaaa tgtcaatttt attgacacta gtgcacaact 60
 aaatacaata attgcaaagg aagtggaaagc tgttcaaaca gaaatgggtga caatgagtta 120
 gaactgcagt tntttcaagg tactacacta ttatttataaa aaaaaatcac aaanagaaaa 180
 atgttatcac tacaagtagg gatttaggaa gngagnaaat tctgggcagt ctgtctagna 240
 ggggttaaaac atttcatggc atttgtgagt tgctgttgga gagttgtttt ttatttgtcc 300
 accgtaatct gggcaacatc cgggggctta ccttcagctc tcggcactgt gcg 353

<210> 549
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H05704

<220>
 <221> unsure
 <222> (1)..(501)
 <223> n = a or c or g or t

<400> 549
 tttttttttt ctctctgtagt cgtctttatt tagagcagaa ttcagactca gctgggtatcc 60
 cccagggcaa cccaggatg ggganagggc tgggtctgtcc ccaccactt ctccaggatc 120
 ctcccagccc ccaggctgnc ttttcctcc aactgtcagc tgcttagctg ctcatctggg 180
 gattggagct ggagcatctg tcaaggttgt ctccctgaca aacagcttcc tctttggaaa 240
 tggcttcact caggtcctgc aggtcatcga gcaggacaga gagggaccog ggggaaggaa 300


```

acagcagatg agcaccagac aaggggaaggt gctcgtgggt acagagggaa acaggggttg 360
gcacagggaa atgaggggaat ggggagagag ggaggctctt tgggtccaag ctggggcatc 420
ncttaaaaga ggtttaaggg tntcgaagga ccncagagaa caacattctt cntgcgagat 480
ttttaagagg gagttttctn a 501

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<210> 550
<211> 465
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. H08548

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<220>
<221> unsure
<222> (1)..(465)
<223> n = a or c or g or t

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<400> 550
tttttttttca caaatatttg cttgggttttt atttctatgc ttataaaaaa aatatgaagc 60
ttctttgtgt ggactgaagg ggtgttagcc tgtggatgtt ggtcttcggt gcctgtaccc 120
cagtggctgt ttacattcca ggnccctgct aaataaagna ggctccactg ccagctgtct 180
gtacactttt tcttggggga agagtctctg tcttcagttt actgcagtag ggttcctggc 240
tctgttacat gtcctgtgt tccggaagaa catatgaaat atcatccac ggatgacgat 300
acagcccctg cttcagcctn ttctgatcaa gatagtntcc aatgaacccc atactccttc 360
ccagcacaaa gatgccattg agggctccaa tgtcaatatt attgcatcag cttcctcccc 420
agtaaaggga cccacagttt ttttaaggatg ttttacaatt gcgat 465

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<210> 551
<211> 396
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. H09077

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<220>
<221> unsure
<222> (1)..(396)
<223> n = a or c or g or t

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<400> 551
tttttttttt ncaggaaata atatttntaa tacaagtgtt caggctttca atagttaact 60
atttaatat tatatagatt gaggtgacta aagaatgtgt tcacaaaaa aggcctaaat 120
tcattaagac agtctctgtg aaaaagggat gttaaagggt atgagaaaag ttactagatc 180
tgcattttta aaataaaaaat gactttctga gatattggga cagaaggcag ctttagttat 240
ttgggagggtc gaggcataca tgtctactat gattcaccat aaagccatat taggcaggcc 300
attggcccag gtacatttct gcattatctt cttttgcata tttcatatgg ataaattcct 360
tttaagggtt gaggcaccaa taaaaaatta gggcat 396

```

```

<210> 552
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H11463

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<220>
<221> unsure
<222> (1)..(365)
<223> n = a or c or g or t

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<400> 552
 tttttttttt tttttgcaac catttatata cagtgttaca taacagctct ggagtacagt 60
 acatgcagca gaatatacct gttgaatata aaatactttc cttaaaatct tcatcattgg 120
 aattccttga agtctaaatc atagaatgcc cattactttg agaaaatggg tgaggagtag 180
 aaatgtctgc atatgttggc cactgaaata atccaaggct aactgggaat aatattcata 240
 ggcacaccgg ggggtgcataa ntnntttact tacattatta aaatacaacc cataaaattc 300
 aagttcagga tcttataggg attgtctatg gtaaactcct taggtggttg cgggggaaat 360
 ggcat 365

<210> 553
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H14810

<220>
 <221> unsure
 <222> (1)..(386)
 <223> n = a or c or g or t

<400> 553
 cataaaaaaca ttttattcac aaaattgggtc atcacagcat tatttacaat actgnaaatc 60
 tggaaatagc ctaaatttct aacaattgaa agaagggtta gtaaattata agactacaca 120
 ataaaatata ttaccagcaa tatatctttg tgaaaatcta taataaccac acataatact 180
 tagtaaaaaa gcancataaa ttacatgata aagcactatg accagnanca atgncaaaaa 240
 attcacaccc ccaaaaaagn acaaggatat tatatgggca attttgtggg taaaatatta 300
 catgttattt gtgnctggca tttctaattt tccccgttaa ctggacacat ncggttttcn 360
 taattagggg gaaanaaaat tacctt 386

<210> 554
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H15143

<400> 554
 tttttttttt tgtgggtcac agttgagggt ttattgccag tgttaggaag aatggggggg 60
 ctgggtggcc aggggtcttg ggaggaattc caaatgagca ctgcagggcc tgtgagtggg 120
 gaggagagct gctgcccccc tgccaccagc gaggccccag ggctgatgcc accatatact 180
 gactgctagt ggtgccttaa aaggtggcct cccacagga ggggagcctt gggggcccc 240
 aggagtcagc cctcaccaac aagccctctc tcaagggggc caggggcttt ttttctcat 300
 gggacaggct ggg 313

<210> 555
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H16171

<220>
 <221> unsure
 <222> (1)..(295)
 <223> n = a or c or g or t

<400> 555

```

tttttttttt tttttttaaa ttaaaccacc ntatganttt attaaatcca gaactgtgtt 60
aaagggcggc ggtctncgag ggggagtntg gtagggggac gagggacaag atgatgaacg 120
gccgtgggca tcccntaggg ngacccggnc caccgccgcc caaccaccc cctcngcaac 180
gctgcatcag cttcaccatg attcccagtg gtgctgggct gggcagggcg agatggctgg 240
gaaacacaga gggacagagg gacagacaga cgccttcac aaacaaaccc tggnc 295

```

<210> 556
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H16676

```

<400> 556
ttttttttta gttttgtggt actacatatg ttttattaaa aattcaaact ttttttcaga 60
tcgaagcata atttatcttc catatacaaa aacgaagatc ttaaatttga cagattaca 120
attaaaatgc tgaaaggagt tatgaggcat ttaaattcatt cttcaattag aatgtttgca 180
gcatatttct cagaggctga cctggaacac attacctttg ttggcaggca tcaaaggcag 240
gataaatcct gtggctggaa atcaattgtg agtcccatta ggatgacttt ctaggcacac 300
atgcataggg tcttgactg tatccgttct acttctagga aggttgctgt ctggaaggct 360
ctttccctg ggcgaggtca ctttcccg 389

```

<210> 557
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H16768

<220>
 <221> unsure
 <222> (1)..(471)
 <223> n = a or c or g or t

```

<400> 557
ttttttttta atttataaaa atgaaaagtt tttttgtctc atggttctga caggctgtac 60
aagaaacatg gcaccaacat ctatttctgg tgagggtttt aggctgcttc cactcatggt 120
agaaggcaaa aaggagctgg catgtgcaga gatcacgtag ncaagagagg atacaaggag 180
atttccaggc ctctttttta cagtcagctc tcatgagaag taatagagga agnaagtcac 240
ttactactga gagagtggct ccaagccatt ncataaggaa tcaaccacca tgacacacta 300
gggctcacc tccaaaactg gggaatcaca tttcaacatg aggatttggg aagggtcaaa 360
tatccaaact ataggcattc taccctgga acgcctaagt atcctgtcct tctcacaagg 420
caaattacat tattttattc ccattagtgt cccgaaaact taacttggtt t 471

```

<210> 558
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H17333

<220>
 <221> unsure
 <222> (1)..(354)
 <223> n = a or c or g or t

```

<400> 558
ttttttttta attgttaata ttgctaattt gtacaatggg taatgatctt ataaaatagt 60
tgtatgaaag caccaaccac cttagaaagt ctgaccagca ttcatatcta ctttccagac 120

```

```

cctcatccct cctccccact cacctgactc tgctcggtc attcatgggc tttcctgtgc 180
tctgccattg ctcaggtgag tgagcagttc gcccggcaca ttgaccaggc agatccaggg 240
canccgatcg gtggagccca ggaaatggag aggctggcac agctgcagca atgcctgnaa 300
gctgtcctga ttttctccgg cttngagata gccaccactt ttgagcatta ttac 354

```

```

<210> 559
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H17550

```

```

<220>
<221> unsure
<222> (1)..(486)
<223> n = a or c or g or t

```

```

<400> 559
ttttttttat ttttaaaaat ctattttattt atcaaaacag tattggcaca gtaatttctca 60
tattatcatc aaataataaa attgctactt tctgtactca attcttttaga atcctagaaa 120
ttgcaaatgc attcaattta acaatattgt aaataacaat acaaaaagaaa gaactctgca 180
tattttatgga aacattgttg atggtacagt tctactgaaa ctcatacaca tttcactatt 240
taattttacat atggnccttg tgaaaaaaac cagtatgttt tacttttttca atttccttat 300
ggctaaaata catgtaattc taaagggata tctcttgggt gttataaaaa ccagggaggg 360
tccaccacca ggtcaagggt ggngtcaagg ntacttcaaa ggttccctgg aatggatccg 420
gaaaacaaat ttttaaccna aaatgtggta ccgntttggg ggggcccttc ncgggccccc 480
caacgg 486

```

```

<210> 560
<211> 477
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H18099

```

```

<220>
<221> unsure
<222> (1)..(477)
<223> n = a or c or g or t

```

```

<400> 560
aaatagtgca atcaaaacct ttattaattt tnctcattaa actgaaatga taaaccaaatt 60
gaatgagaaa agtggcagta aaagatttag catgaagtat tatttctcag gtaatgtcaa 120
gaatattatg aaaatatata cttgcttata actgaatcaa agaaaatgaa tgcatttacc 180
tttgaaaagc agaggtagtg attgccttca agcttcgggt tataggacct taggctggga 240
gctgatggcc ccacatagct gatcttctgg ttttgtaatg agagaaaatg ggaagagtct 300
ctctgggaag gaaaacttag ggtcatttat ctctcaagct ttatctattc cntaatgtat 360
atgggaacac taatagttct gcctatcttt ctttgccaga gtaggaaaac aggttccaaa 420
ataaatagtc ncgaattatc ataaaggcnt aataggggtg gggtttttaa ttatatt 477

```

```

<210> 561
<211> 371
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H18947

```

```

<220>
<221> unsure

```

<222> (1)..(371)
 <223> n = a or c or g or t

<400> 561
 tttttttttt ctttttttag gnttcatggt tgttttatatt aaagtctggt tgggtacaga 60
 aaacacacac acacttaaca ggtaaaaata tccaaataaa atttactgca actttttagtag 120
 aattttatatt gtgctacaag acacgttgca taagaaacta tttaaagccc ctgaggaaaa 180
 aatatccatg gtttaagggtg caactgggtt tgtttcttct ttggggaaaa ggtgatagat 240
 ggtctctggg agaaattatg ggggtggagtt gagaagcaca atcgaagggt atatgggtggg 300
 atgattggcg aattgtgtgt cctgggttct tggcagcatt aaaatagcct aatgttttgt 360
 tctttttttc a 371

<210> 562
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H19969

<220>
 <221> unsure
 <222> (1)..(478)
 <223> n = a or c or g or t

<400> 562
 tctaaatatt cagatgtggt aattacatgc cctagaagct ggaagantca gtggtgttca 60
 cactggacgt ggagctggtt gtataatttt catctccctg cacttaaaca tgactctcag 120
 tctaataaat tcaaccttgt cattttttaga atctacggga tttctctggc tgcgttttgc 180
 gctgcattta tccgaataca tccagctcgc aggcactcctg caagaaacgg ctcccggctc 240
 gcggtgtacg cgacacctcg gcccaacgca ggactcgagg tggtttctag tgcccgggtg 300
 gctgcaagtc tgccctccga gggaggctgg gacaagcggc gccccagggt tgcagcggcc 360
 tcttcgttgc ctnggcagtg gctgggnagg cccccaccng ttgccagttg ttttcgggaa 420
 acccgcttgg ccaagtttcg cccgggggtga aaaatgaaag caatttcccc aacagatt 478

<210> 563
 <211> 187
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H21814

<220>
 <221> unsure
 <222> (1)..(187)
 <223> n = a or c or g or t

<400> 563
 ttattgaggg tttattgagt gcaggagaaa ggggtcttgat gccttggggt gggaggagag 60
 acccctcccc gggatcctgc agtctctagt ctcccgtggt ggggggtgag ggatgagaac 120
 ccatgaacat tctgtagggg ccaactntctt ctccacgggt ctcccttcat gtcgtgacct 180
 gggcagc 187

<210> 564
 <211> 432
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H22453

<220>
 <221> unsure
 <222> (1)..(432)
 <223> n = a or c or g or t

<400> 564
 ttctcttggt gctggagttg taaaaatcaa tgtcccattg ctgagatcga agctccctgt 60
 gtctctgggg ggctcagcag ggacgatggc ctccagagtg gacctctgag aaattgcaga 120
 ggcatcagag ctgtgggctc agcatatgag gtccccaggg gccatagacc ccctcctcct 180
 gggaagagtg ctctgcaga gcttatttgc aatctcctgg gaggccaga ctcaccaaag 240
 gattcagatc ctcttctttt tgcctcctac atagagcaca ttatagacct gaaacaggaa 300
 tcagaattcc agactccctt agtgaggaga caaagtgtta ggtcttagct ttttcccttc 360
 taaattaagg gtctccctg ggattcaggt tgcctgatag cttatnctg aaantggtn 420
 gagataggga aa 432

<210> 565
 <211> 214
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H23407

<220>
 <221> unsure
 <222> (1)..(214)
 <223> n = a or c or g or t

<400> 565
 tttttttttt tttctagggg agaagatttt atttcacaag gtgaggaacc caggctgggtg 60
 gccgacgcc acacaccagg ntccgggacg catgggggtct gcacgtggag aggggtgctgg 120
 ccgccccagc aggaagccc acgtaggtcc cagcgtntct gtcagtcag ctgctgccct 180
 gtggcttggg agaggcagga cgtgcacca gcct 214

<210> 566
 <211> 697
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H23520

<220>
 <221> unsure
 <222> (1)..(688)
 <223> n = a or c or g or t

<400> 566
 ataataattaa tgnaaattca aatgatatnc atggaataaa aaataaaaag atttctcaaa 60
 agatcagnta aaggnaaaaa tgaaggcagg aagaaaaaat caaatgtgta atccactgtg 120
 ggatcttaat atcaagattc aaatatgtaa aatgattgct ttttaatttg aatatgagtt 180
 ttgtaatgta gaagttaaga gaggtttatg gagctataaa gaatgcagtg agttgacaac 240
 cattttcctt agtatttttc cccaagaaaa taagtgtgaa acccgttgat aagncatacc 300
 acatgtataa atgactattc tagattcctc tctctctcct tctgttcctt tcttctgtct 360
 ttctccctcc ctctctctct tcttttcttt ctctcttttc tctctccctc tctcccttc 420
 tccctctcct tctctgtctt tctccacccc tcccatgact ttttcttttt tttttaata 480
 tacttaagct tnggggacat gtgcacaaca tgcaggttgt acaatgtanc atgtgccgtg 540
 tgggtgtgctg catgcattaa ctcggcattt ccatagggat acccncatgc atcctcccc 600
 accaccaccc acagangccc ggggtgtaagt ccntccggg ncggggtnc a ctggtcaatc 660
 cncatgggt ggcantggg ttggttttgc ctgaaaa 697

<210> 567

<211> 233
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H26288

<400> 567
aaaaacacca gtttgaaaca cattactgaa agtgagtgtgta cacaataaat agaaaatagg 60
gatgcatagt gctggagaca ttcaaccaac ttatcttcat ctgttgcccta ctgttgtaga 120
caaaatttga cacacaatta gcattactga aagagcagcc aaactacctc ggagaaagtg 180
ggcaaaactac tggaaaagta gcttaaagct ctgggaccac tcaccaaaaa taa 233

<210> 568
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H27180

<220>
<221> unsure
<222> (1)..(290)
<223> n = a or c or g or t

<400> 568
aggnttttatt ttggaccaaaa aaaaaaacca caattgtttt ctagctggaa gantgggcaa 60
gggggggtccc agacagtaaa ctccccacg ggtgggttga gcctcaggtg ggggggtctcc 120
tggtgtctgt gcttccccac acagcagcct ccctcctggn gtctgtggca gccacgggag 180
gggcagacta ggaggagctg ccacagtnt tcaactgggc aggaagtcag aggactcaga 240
caccagcttc ccacgcgagg tntcgatctt cttnanaacc acggccctgg 290

<210> 569
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H27675

<220>
<221> unsure
<222> (1)..(292)
<223> n = a or c or g or t

<400> 569
gtgtctccat ggcgagtggg agcgtgaaga tgaccagctt tgcggagagg aagctccaga 60
gactcaacag ctgtgagacc aagtcagca ccagcagctc ccagaagacc acgccagatg 120
cgtctgagag ctgcccagcc cctctgacga cgtggaggca gaagagggag cagagtccga 180
gccagcatgg caaaggntcc cgccagcctc ctggcatctg agctgggtaca gtggcacatg 240
cantcgaagg agaagcgcag ggccatcgag gccaggaaga agaagatgga gg 292

<210> 570
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H38418

<400> 570

agctgagcat tttttatgtg ctaggcactg ttccagtgt cggggacgca gctgtgaatg 60
aacagaaacg ggggatggag gacaggggag aaacccccctt cacgggtctt tgggcc 116

<210> 571
<211> 212
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H38995

<220>
<221> unsure
<222> (1)..(212)
<223> n = a or c or g or t

<400> 571
tattactgnc ttaatggggn ccaaaggggc aacacaaagg cattgaaaac atcactggct 60
cacaaaaaca gtcacettgt taccttctca gttgcatttg tttatttcac aaggcttcat 120
tcacacataa aaacaagata ctaatccaat ncaggtcnna acgattataa aagtaaacat 180
ttnttggggc atgtacaata aattgcnctt tt 212

<210> 572
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H40424

<220>
<221> unsure
<222> (1)..(327)
<223> n = a or c or g or t

<400> 572
ctgtatantt tnncttnttt tttctcttgt gatttggcac ttaaggctta agcgcnaaaa 60
aaaaaggcat ctactgacaa aatatgggac ttgtctgtna tgcattggtaa gtgggctata 120
aaatccaggg aggggggtttc aagccagaag aagctactga caaattgact tgtccttatg 180
ttaggtgggg ttatgagggg gagagggagg gcacattctg aggtgctggg ggaaaggggt 240
tgagcttaac cttgttaatg tagggcctgt ggggaatggg atgggtaggg agaagaggggt 300
atgggatgtg ggtgcagggt aggggct 327

<210> 573
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H44631

<220>
<221> unsure
<222> (1)..(448)
<223> n = a or c or g or t

<400> 573
actcagcatn cnttttattt tnctatctga catttctaac aaaacgccag ggagacggag 60
ttaaaaagaa tccacccac gaaaggtaaa caaaggagac cctcagaaac tccctggcaa 120
ggatgttccc ctccccagat tgggcccagt ttcaccagca actgggtctc agactcagcc 180
ttatgccttt ccaactgacac cccccacccc tccacantct cgtgattcag accaggggaac 240
ttctcgggct gattgtgtcc gtgtgtctga gggaggggca cgctggaacc tgggaacctta 300

ctgggcacct ctaatgcaga tgagaaaaac ttgagaatgt gaaaggagat cagtccccgn 360
 tcccacccga aggtgcagag acgcggggaca ttaaccagca gnacgcgggg gtgaagggaac 420
 tcaggggcaat ttctcccant gccagggg 448

<210> 574
 <211> 339
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H45265

<220>
 <221> unsure
 <222> (1) .. (339)
 <223> n = a or c or g or t

<400> 574
 nannttttat aaatnataat ttaataaaaat aaaaataggn gcacaaatat tggcatacag 60
 taggtnccca ataaaagggtg gtggatacac agtaggtttt cagtaaagga tgatgggcag 120
 ggcattgcagt agggcagcca ctactgtcc ctgcacctgg cctccacccc tgggctcacc 180
 tcaccagggg gaatccccag ggcacaagcg gtcaacagct ggcatacctt gccacaggtn 240
 taccttggtc aagtctctca gcaccaacac atccccctgg gtggctcctt gggaccaccc 300
 gttcccnttc acggtcttac atcctcgtcc tcctttccc 339

<210> 575
 <211> 368
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H48263

<220>
 <221> unsure
 <222> (1) .. (368)
 <223> n = a or c or g or t

<400> 575
 cacatcagtt aatnntanna agactcacct gatcacatca acagatgcag aaaaggcatt 60
 taataaaatc caacacctgt tcatttcaaa aaacactcag aaaactagga acagtaagaa 120
 gcttcctcaa cttgataaac aacatatatc aaaaacctac aactatcatc ataattgatg 180
 gtcagaaatt aaagctttcc cactaagatc aggaagcggg caaagatgtt ccctctcatc 240
 atccttttcc atcatatcat actgggaagt cctaggctaa ttcaataagg aaaagggana 300
 taaaaaggta tacaggattg ggaaggcata aaataaaact ggtctttgtt gacaggnaaa 360
 catggtgg 368

<210> 576
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H48475

<220>
 <221> unsure
 <222> (1) .. (387)
 <223> n = a or c or g or t

<400> 576
 nnnttacgtt tgcaacattt aatgtgaaat tagttncata ctgtttcctg aagatgctga 60

tgggtgtaggt caaatgaaac atcatagaag aggcagtata tgtatatcct ttagtatatc 120
 ttttaccttc agaaactttt ttttggagac agagtgttgt cctggctaaa taaagtgcag 180
 tggccgannc ctgggctcac tgcaacctcc gcctcgtagg ttgaagtgga ggttgaagtg 240
 ggccaagact ggtatactgc actccagcct ggggntaaca gagactccgc ctcaaaaaca 300
 aacaaaaaaa ctaactggta atttaaaaac taaagtttac agttgggctc caatgtatct 360
 caaagtccaa actgggcccg gggccag 387

<210> 577
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H48793

<220>
 <221> unsure
 <222> (1)..(346)
 <223> n = a or c or g or t

<400> 577
 gatttaggag attccaagtg ataccttta ttcactactc tatgtcctta ttaataaata 60
 catatttaaa aaaacctata caatatagtg tatttacagc atggaagagc agagactctg 120
 aagccagact gcctgagttc aaatcctgac acttctactc aaatatgtgt gagtgacttt 180
 gggcaattta cttactcttt ctgtgtttct atttactcgt ctacaacaat aatttctacc 240
 tcatcaaatt aaattaaaaa aaaaacggct taaatagggt aacatttgta aataggctta 300
 ggaaaacact acatttaaaa aaataancat tcctaaccga ccttcc 346

<210> 578
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H49440

<220>
 <221> unsure
 <222> (1)..(458)
 <223> n = a or c or g or t

<400> 578
 ggagtttcac catgttggcc aggctggctc caaactcctg acctcaggtg atccacctgc 60
 ctcagcctcc caaagtgcctg ggattacagg catgagtcac tgctcccagc cattagaaag 120
 attgttaatc ctatgaactc cctttttagt gagagaaagg gccaatctgt aggggtagcc 180
 ctgtccaggt aaagttgttt tcagcctcat gtctactggt aggtgaggga gtcacagcca 240
 gacagagagt attgctggag ggtgagagaa ttgtggagac caactaccac atagcaagag 300
 cccagctctt gggagcattg agatgtaagc tcagggttac acagttccaa atcttgggga 360
 aggggctttt tcagacagac tgtttgcttt ctgctgagat taaggaattg catcantctg 420
 ccagagtatt gactttttta cagattatta aataaagg 458

<210> 579
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H52835

<220>
 <221> unsure
 <222> (1)..(446)

<223> n = a or c or g or t

<400> 579

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cggataccct gggggcctct gctcctctct ttgtggagac gtcgtttcac cggcggcgcg 60
tgaccccggc agctgtccag agaccagag atgtccaatc acaggcgcac ggtgcacagg 120
cgcgcagggc tgcttgaac gggcccaggc aggcagtgc cgggacctct ccggagggag 180
aggaacggtg ccctcccggg aggagctggc caggcaggcg ctgccaggcg cggccttccc 240
tgctggacta cggcattgcn actgagttat ataaagacac tatttgggga aggacagcgg 300
gtgaggactn ggcgcggcgg cacacgcttt gcctgttgn ttcagctctt ctggggggcca 360
aggcagggag ttccagggtt tacagtgcgc ctgatngcca attgctttcc aaaagagaga 420
aacagagaga aagggattna ggcttc 446
```

<210> 580

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H54764

<220>

<221> unsure

<222> (1)..(386)

<223> n = a or c or g or t

<400> 580

```
gatggagttt cgctcttctt gccaggctg gagtgcattg gtgcaatctc ggctcactgc 60
aacctccacc tcctgagttt gagattctcc tgcttcagcc tccactggg attacaggcg 120
cctgccacca cgcccagcta attattgcat ttttagtaga gatgggggtt caccatgaaa 180
atTTTTatTTt ttattaaaag agtgcattgag ttagtcatga aggcagagcc agggcgccct 240
gcataccaaa tgtgaaggaa cagtaccaat tgacaaagga aggcacaaaa ctaggacaaa 300
ggaaaaggga cttcaattaa ataaggtaat ttggaactaa ctggaaaatt gaggaggggg 360
aaatngcaaa taaaatnggg gaggca 386
```

<210> 581

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H56673

<220>

<221> unsure

<222> (1)..(384)

<223> n = a or c or g or t

<400> 581

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gttaccaaga cacaatttta agatcaaaca agtgtcaagg taggcatgg cttgttggca 60
gtagtagggg ccctatggct atttccagg atgggtggcc ctttttcctt ggttatctgg 120
ggaatctgcc acagcagaca gcaaaaggta aaaagcatcc cttaataaac tacacccac 180
tccagcaatt gaggtttatt caggggtggg tcaaagtagt acaagacaaa aatagcttag 240
tgaaatggnt tagaatccag actgaggtgc cagactgcct gcattctgagg tctcaggctc 300
caccatgtat ggaggccgtg tggaccttgg gggtgaggtt actaggcctc cccgggggtt 360
caaatcttct tcacctgtaa aatg 384
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<210> 582

<211> 405

<212> DNA

<213> Homo sapiens

<220>

[illegible]

<221> unsure

<223> n = a or c or q or t

| | | | | | | |
|-------------|-------------|------------|------------|-------------|------------|-----|
| ctctttgtagc | ccaggctgga | gttgactggc | attgatgtgg | gacgcgggga | gtgaacaagc | 60 |
| aaacactggg | gctgtaggag | tgaagagaaa | ggaatcaaag | gaaggaaatt | cccatcccc | 120 |
| agaacaaagg | agaaacatgc | tcttgtgatg | agcacgcata | ggatgaggct | gcacctatgt | 180 |
| caggaaaaag | ccgtttctgcn | gaaggcccat | cagagacaga | cttgactctg | gacacctagc | 240 |
| cccacaaaac | ttgtctgctc | caacacatat | ccagtttttc | ccataatattt | atgtaaacta | 300 |
| ctcagggtat | actctcattc | ttactttgga | actaaatttg | tatggnatg | gcctgtggta | 360 |
| ctctaggaag | qtttctctaa | aqaggggagg | gatttaaatg | aaacc | | 405 |

<211> 440

<212> DNA

<213> Homo sapiens

<223> Genbank Accession No. H58873

<221> unsure

<223> n = a or c or q or t

| | | | | | | | |
|--------------|------------|------------|------------|-------------|-------------|-------------|-----|
| actataactt | agtgtctgta | tttaatat | ttg | acaacccaaa | atatatatan | ttttntttgca | 60 |
| tctatacaca | acagggcagg | agtctccatg | tnttcttgag | cagtgagttt | gcaggctccc | | 120 |
| acagggccctc | ttctcatggt | aatagtgtgg | ccctagtgc | aaggagacta | gaacccggca | | 180 |
| gccagactg | gcccttcccc | tctcctccct | gcactccagt | gcttcccaac | tgggtctcagg | | 240 |
| taaagaaaagn | ttantttgag | tggttgggta | ggaagagatg | ggaagggggca | aatcctaata | | 300 |
| ggagcctgac | ccctagagtg | gggagttcca | gggccagcag | aacgggtggg | ccatagccct | | 360 |
| ncctggggnt | agaagctttg | tagttcatag | ttcgattagt | ntgtccntag | ggcatnaggt | | 420 |
| nccagggcccta | caqattagct | | | | | | 440 |

<211> 414

<212> DNA

<213> Homo sapiens

<223> Genbank Accession No. H59141

<221> unsure

<223> n = a or c or q or t

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|------------|-----|
| aaatanaggaa | taataaattg | atttaataat | ttgaaagaac | tgtaagggtt | aggttttggt | 60 |
| cttattttta | gtgcgactga | gattggagtc | tgtttgtaga | catatctgaa | aaaagtgaag | 120 |
| ggggagatgg | aagatggtaa | atgccaaagga | aaagatggaa | ggataaatca | gtgtaataaa | 180 |
| aaggagcact | tctttttcgc | caacagaagt | aaaggtaaag | gttaagtgtc | tgagttaacg | 240 |
| aatggattgt | tgacctctgg | ggagggtgct | cccattcagct | cagcttttgtg | acgacctaa | 300 |
| gaatccacct | tccacacctt | tctgtgacca | atcgttctgg | gctgcataaa | accacctaaa | 360 |
| tcaatcaact | gttacacttc | ccttagtgct | aggggcatat | tctcnataac | tccc | 414 |

<210> 585

<211> 284
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H60595

<400> 585
 aagacagagt ggactgttac aaatgatttt gcaaaataca aaaatagata tacttccact 60
 gaatgcttta atcatttttc cgggcactct catcttttgg ttcttctca tctgagtaca 120
 cagtgggctc ctccccctcc ttcagcagtt tgcccacgtg atgatacttg aaagtgaact 180
 gagactccca gtcactcaga gtctcctgct gggcgagtg aggtcagaaa ggcatcgtg 240
 ctcatccttc agtgcttctt tatccgggga aaatgtgggc aagg 284

<210> 586
 <211> 317
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H61295

<400> 586
 gaaccctcta agggacctca aaggtgattg tgccaggctc tgccgctgcc ccacacctc 60
 ccttacctc ctccagacca ttcaggacac agggaaatca gggttacaaa tcttcttgat 120
 ccacttctct caggatcccc tctcttctca cccttctca ccacttccct cagtcccaac 180
 tccttttccc tatttcttc tcctcctgct tttaaagcct gcctcttcca ggaagacccc 240
 cctattgctg ctggggctcc ccatttgctt actttgcatt tgtgcccact ctccacctc 300
 gctccccgta gctgaaa 317

<210> 587
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H61361

<220>
 <221> unsure
 <222> (1)..(462)
 <223> n = a or c or g or t

<400> 587
 gctggggctt agctgggagg tggctctgaag cagacagggga atgggagagg nggatgggaa 60
 gtagacagtg gctggtatgg ctctgaggct ccctggggcc tgctcaagct cctcctgctc 120
 cttgctgttt tctgatgatt tgggggcttg ggagtcctt tgtctctate tgagactgaa 180
 atgtggggat ccaggatggc ctctcttctt cttacccttc ctccctcagc ctgcaacctc 240
 tatcctggaa cctgtcctcc ctttctcccc aactatgcat ctgttgctg ctctctgca 300
 aaggccagcc agcttnggag cagcagagaa ataaacagca tttctgatga aaaaaaaaaa 360
 aaaaaaaaaa gcggccgaaa gcttattncc ctttaagtaa ggggttaatt tttagcttgg 420
 gcactnggcc ntcgttttan aacgtcgtga attnggaaaa cc 462

<210> 588
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H63994

<220>

<221> unsure
 <222> (1)..(512)
 <223> n = a or c or g or t

<400> 588
 ccctccaagg ttcacatggt ggaatgtaaa ccccaagggtg atggtattaa gaggtaggga 60
 cttcaggagg tgattaggcc atggggggatc tgcattcgtg aatgggataa atatccttat 120
 aaaacaggct tcagagagct gcttggtcct tgcacctctt ctctcttcta ccacgtgaga 180
 acatagcatc tgtcacctcc agaagaagca gcaacagaca tggctcttga agcagagagc 240
 aagtcctcac cagacaccaa atctgtcaga accttaatct tggacttccc agcctcaaaa 300
 actgtgagaa gtaggtttct gttattatat atcaccaggt ctcaagtatt ttgcaatagc 360
 aacagggaat aggactaagg acaatgagtt ttgcacaatc taacttttaa aacctccngg 420
 taaggcaaag cttgagtttt attttcatgg atttaaaagg gncaagtaag ggattttctc 480
 ggttnaccgg ccttattggg gtcnggtatt ac 512

<210> 589
 <211> 280
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H64411

<220>
 <221> unsure
 <222> (1)..(280)
 <223> n = a or c or g or t

<400> 589
 tctgcttgaa gaagggagca ggcaagggca cagatgcagg tggcccatg ctgctaaaga 60
 caggctggaa ggtcggggct gtggtgctgg tggctcgtgg gagggaggag ctggagggcg 120
 ctgtggctga gactgaagg ccaggcgggtg tgaggccttc cttctcactc ttgggtggag 180
 ccgtgaaaat gggcttgaac atgggagatg ctgaagatgc agcaggggagc gcaggggctgg 240
 aaggtnaggt nttctgtgtt ccaaacagga agctttgctt 280

<210> 590
 <211> 370
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H64493

<220>
 <221> unsure
 <222> (1)..(370)
 <223> n = a or c or g or t

<400> 590
 ggggtgcttta tttccatgct gggcgcccgg gaagtatgta cacgggggtac gtgccaaagca 60
 tctctgcgcg accccgagag cccgggggagc gggngcttgc cggcgcgtgc actcatttac 120
 ccggagacag ggagaggctc ttctgcgtga agcggttgtg cagagcctca tgcacacagg 180
 agcatgagaa gatgttcccc tgctgccacc tgctcttgtc cacggtgagc ttgctgtaga 240
 ggaagaagga gccgtcggag tncagcatgg ggaggcntgg gtnttgtagt tnttctccgg 300
 ctgcccgtcg ctttcccant ccacggggcga tgctcgtggg ggtagaagcc tttgaacagg 360
 gaagtcaggc 370

<210> 591
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. H66642

<220>
<221> unsure
<222> (1)..(460)
<223> n = a or c or g or t

<400> 591
ttaaagacag agtttcgctc ttgttgccca ggctgtagtg caatggcgcg atattggctc 60
actgcaaccc ctgcctccca gggtcaagtg attctcctgc ctcaccaagt agctgtgatt 120
acaggtaccc gccaccatgg ccagctaatt ttttctattt ttagtagagc cggggtttca 180
ccatgttggc caggctggtc tcgaactcct gatctcaggt gatccacctg tcttggcctc 240
ccgtgctggg attataggca tgagccacca cgtccggcca aattttactt cttaaaagtg 300
cttttctctc agtgatatca aggtcttctg tctactatta taaccataag cttctttagg 360
cattaaggag ggaaaatgtt taataaaatg taattaaact gggatggaat ggtcagtgtg 420
tttaaagtga aatatactta aatgtaatta cggggnggt 460

<210> 592
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H68097

<220>
<221> unsure
<222> (1)..(291)
<223> n = a or c or g or t

<400> 592
tgaagtttat ttntctctggc agtatgtttt agtttcttgt ttttnatttt gttgtgtgtg 60
tatgtgttgt agattttatg atttgagggt accatgaggc ttgcaaataa cataacatgt 120
tatttttaaag tgacaacttg aacttgattg caaaaacaaa cagggcgaag agaactaata 180
aaaactgtac actttaactt cattcctcct gtttttnaag gtttttatgg gtttctattt 240
atatctcctt gtactatttt gaaaagggna ttgcagggtta tcatttgttc a 291

<210> 593
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H77531

<220>
<221> unsure
<222> (1)..(274)
<223> n = a or c or g or t

<400> 593
gggtattcaat gcgtgttcat ttatttnaca cttacaaaag aaatcgccca cccctttgcc 60
ncattccccc aaaacagtct ctttttataa acatttataa attaaaacca aatgaagata 120
gacaagttaa tttcagtaca attatttttc agtgtagctg tcataattag agttttaaatt 180
tcctacaagt gaccaatgtc caagtgactt atagggaaat cctgattatc ggccaaagga 240
aattcaatnt tacaagttag caaattctag gtac 274

<210> 594
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H77597

<220>
<221> unsure
<222> (1)..(317)
<223> n = a or c or g or t

<400> 594
tcaagtctaa gtgtttaatt attattcaca tatttcacag aaaaaaagga atgtagcaaa 60
tgagtcggag ttgtagaaaa aaaaaatcct ggnttttacg tgtcattctg ttttcatctg 120
acagcagggc tgtcccgaca tcaggcacag cagctgcact tctctgacgc ccctttgcag 180
atgcagccct gggcacactt gggcacagcc caggggnaaa caggagcagc agcctggggg 240
aaaaagggag agagaaggtc acaggcagac ttnaccaggg ganctccctt tccaacagc 300
aggcctgggc tcaagct 317

<210> 595
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H81070

<220>
<221> unsure
<222> (1)..(340)
<223> n = a or c or g or t

<400> 595
caggtctaaa gtgtttaatt atcactcaca tatttcacag gaaaaggaat gtagcaaatg 60
ggtcaagggtg gtataaaaaa aaaatccagg tttgtacatg tctctctgtt tacatctggg 120
agaaagggttgc tcttgggcat cagtcgcagc agctgcactt ctctgacgcc cctttgcaaa 180
cacagccctg gggcacactt gctacagccc acgggnagnc agggagcagg cagctctttc 240
ttgcaggagg gtgcatttgc ctctttgcac ttgcgggaac cagcgcggtg caggaggagc 300
accagcggcg caggagcagc ttgggggggtc cattngcaag 340

<210> 596
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H81379

<220>
<221> unsure
<222> (1)..(330)
<223> n = a or c or g or t

<400> 596
ttaanntttt ttaaaaccaa aagaacaact ttaataagct tttacggcac tgcaattaca 60
ggaacatcga cccataacat gcaacaaaaa tgattttgcc ttttggacat atttaacaga 120
taaacttgac attacaagta acagcaacac attcccattc tactgaagaa aacaaatgcg 180
atttaacttt caggttagaa aacgtatctt cttactgcaa tctcaagtng gcatttngaa 240
agtttagttt tcccttttct aacctctaaa agatgatatg atttttaatg caatcataca 300
caactgtttt cacattgggg aatantcacg 330

<210> 597
<211> 419
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H81413

<220>

<221> unsure

<222> (1)..(419)

<223> n = a or c or g or t

<400> 597

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ngagccagaa aaggattttt tttaattcaa gtaactgaaa taggaaacca gagggggagc 60
cccaggctgg gataaatcat ggctacccct ccccaacaga acagggggag gaggtggccc 120
ctacacccat tatggtcgat tcgggcccc ttgctcactc tgctgcagca tcctagaggc 180
agggcccccac cttccctggg actggggtag tcggtcaccc agcctgcatt gcccagccc 240
ctnttcccca caaagagtat cttgggggag ggnttcgtgg ggcagaacag gagggcaatg 300
agggatgaac attgctcaaa ctcttttcaa aggggcacct gaccgcacag gggaggntgg 360
gcaggaaggg caagggntgg gggatgccgt ntaaggaggg cggangcagg canttttgg 419
```

<210> 598

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H83380

<220>

<221> unsure

<222> (1)..(386)

<223> n = a or c or g or t

<400> 598

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ttaattgcag aaaaatttat taaattggaa aatcttgctg ttttcaatgg cgctggcccc 60
gggtcagcgg cgattttctc tgcacaaaga tgggctttgc gtttccgtag tgggcaccag 120
tgggtggcctg attgtcagtc ttctcccggc atttttaagg ccagggagcc gaagcgctgc 180
ttgtaggcga ataccctaca gagcggtttg gctttttaa ttactgttat tattttgggc 240
agagaacagt cggctctgggt gcaccccgtc ctgcgtgcag aagaggctgc gagtccgagg 300
tggggctctc cggaaggtg aaattccttc tnggggntna gcgagccccg gccccgcgcg 360
gcagtccagc ggccccgggtg ttgttg 386
```

<210> 599

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H84761

<220>

<221> unsure

<222> (1)..(335)

<223> n = a or c or g or t

<400> 599

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cggcacttta ttagtgggga aacncgcnt ggntctggcag agactgggat caacaggacc 60
ngcaccatc tcgaggnggt attttcngta agancaggng ttccnccctc gtaggtttag 120
aggaaacacc ctcatagatg aaaaccccc cgagacagca gcaactgcaac tgccaagcag 180
cgggggtagg aggggcgccc taggcacagc tgggcccttg agacagcagg gcttcgatgt 240
caggctcgat gtcaatggtc tggaagcggc ggctgtacct gcgtaggggc acaccgtcag 300
ggaccacca ggggactttc ttcaaagttc cnggg 335
```

<210> 600
 <211> 178
 <212> DNA
 <213> Homo sapiens

 <220>
 <223> Genbank Accession No. H86112

 <220>
 <221> unsure
 <222> (1)..(178)
 <223> n = a or c or g or t

 <400> 600
 gcttaatggg gccaaagggg caacacaaag cattgaaaac atcactgggt cacaaaacca 60
 gtcaccttgt taccttctca gttgcatttg tttatttcac aaggcttcat tcacacataa 120
 aancaagata ctantccaat tcangttcat aacgggtata anggtaanca tttgttgg 178

 <210> 601
 <211> 287
 <212> DNA
 <213> Homo sapiens

 <220>
 <223> Genbank Accession No. H88338

 <400> 601
 atgcatgttt aaacatttaa tctagaactt gattacaaag taatttaatg aagaaaataa 60
 tctgttataa ttcttataga tgtttattag ttttttagatt taaaaaaaaa acagggttta 120
 taattaaagc aattgactaa tgatctcaca gcctcaaggt tgtatgcaaa cctagattag 180
 aaatactttg gtctctaaaa ataacaaaat ggaccataac attttttttc ttacaagttt 240
 gaagtgggtc aattatgggg gaaacacata cattcctaag gggaaat 287

 <210> 602
 <211> 337
 <212> DNA
 <213> Homo sapiens

 <220>
 <223> Genbank Accession No. H88798

 <220>
 <221> unsure
 <222> (1)..(337)
 <223> n = a or c or g or t

 <400> 602
 nactttaata agtataaagt atataaacia ttaggtaagc ttgtggagaa gctgaccaag 60
 atacataaat taggaaatac aagtgtccat ctaaattttc tatatttcat ttttttcata 120
 atatttatta aagggtgttta atatacagtt tctcatctgt catttttgaa gtcctttatt 180
 gtaaagacaa ttctattgtc tgatgacaaa cagcagccac catggttatt caggacctcc 240
 acgttggata aattccattt cttcttgaga cacaagtttc cttctggtat ttctgaggta 300
 atggnnttta ttatttctgg cagtgtctgg tggacc 337

 <210> 603
 <211> 321
 <212> DNA
 <213> Homo sapiens

 <220>
 <223> Genbank Accession No. H91703

<220>
 <221> unsure
 <222> (1)..(321)
 <223> n = a or c or g or t

 <400> 603
 ccataagaca agtgacatat ccaaccaacc atccatcccc acctgtgccc tattctttcc 60
 ttgtgtttct ttagagcctt ttcagctatt tcctgtgaag caaactgcac gaaggcctcc 120
 cccgtactcc tcccctggaa gtccaccggc aatgttatcc catttggcac gatttccaac 180
 ccttcaacct aaggacaaat aaccccagta gggggncaat attaacatca caagcccagn 240
 aaatgattct tcttataggc tttaaataaa ccaggacttt ttaactttag ggtgaatggg 300
 tatgctttca acaagtactc t 321

<210> 604
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H94471

<220>
 <221> unsure
 <222> (1)..(395)
 <223> n = a or c or g or t

<400> 604
 tttgttactt ttacatgata tttattattt aagaaaaacc tcttttaacc atttatataa 60
 cagaaaaaaa atagggaggc tggtagatca tcacatatat agtagctaaa atatgaaagg 120
 ccagggaatt tattattaat gaagtcataa aacagactta accaaaagtg tgtgctagga 180
 aacaagcagt ttcacttcag agacttcatt gcaggaaacc agtttcctta tgtggaaaaa 240
 agtgattata aataacagtt atctgaaagg tgggtgagag gattaaatga gatcacctat 300
 gcaaacaaat acatgtaggt atgaaagacc atccgtcctg ggggtngtgg aaagtttaag 360
 tttccccncc agaacccttc cctttaaggg cctta 395

<210> 605
 <211> 373
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H94475

<220>
 <221> unsure
 <222> (1)..(373)
 <223> n = a or c or g or t

<400> 605
 tttttgcccc ttcatctttt attcaggtgg cataaaaaatc actacaaaaa ccttacaaaa 60
 gagecettaag gagctcatgg gatccttccc tgccctcgggt cctgagctcc cgggcagagg 120
 agggagacag gagaggaagg aagggaatg ctggcagtg tgggatctcg aggagccgtg 180
 ggaagtctgg cgtgacaagg cacagggggg aggatggagg ctgatggact ctcggcaggt 240
 taggccacag ccaaggctgt gccangacac gagttccacg cggggctgag gacaacgctt 300
 cgctccccga gccaccacca gggcccgtct ctccccaccc taagcctagg tgtcccggga 360
 caagtccaaa ggc 373

<210> 606
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. H95960

<220>
<221> unsure
<222> (1)..(417)
<223> n = a or c or g or t

<400> 606
ttttattggt ttagtaatct taacataact taaaataaga gaggggaaat gacatctgga 60
gatctaggta tgtggcccat tgcaattgag cacatttctt gggctctggt ctctatctct 120
aagggcagtc tcaaaacccc agctcaaaat acgacactaa catgatgaac atgcatgagc 180
tttgaagagt gctctgtagt cttatgatga tctagaagag cactgtccaa tagaactttc 240
tgtgatgatg aaaagattct acttctgacc tattcaatag ggtaaccact aatcatgcat 300
ggctctcaag cacttgaaat gttgctagtg tgattgggga gctgcgtttt gaatgttaac 360
naatttanat tttaaactnt taaaaagttt acatgtgggt tagtgggncg ccgtacg 417

<210> 607
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H97538

<400> 607
attttttagt ttttgggcaa aacattcact gttctgtttc agcatatttc cttggaacat 60
cttcatctct ttccattttg cggacactcc cttctctcta ttctccttta ctcaaaacat 120
atggttttaga cccacatcat ggctttcttg tgggaagcct ggatgggact aggaaaacac 180
atgtttccaa catggtgcat atctgtttgt gcagatatca gacaagattt aatcttgtct 240
aacttatgag tattgttttg atgtttgcct gtgggtattc tgggcacagc aatgggtggac 300
attattgaaa atgaacttta ttggcagatg aaagataata gaacatgaag atttatgaac 360
taccataagc tctgcatctc tgggtcttca ttccaaagc agcacttgga aaaccaagcc 420
cagtttcagg caaagagtt 439

<210> 608
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H97868

<220>
<221> unsure
<222> (1)..(543)
<223> n = a or c or g or t

<400> 608
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acaaggagaa agcaggtggt ttacaggcaa gctgctcaga ggtagtggga gaagaagtta 480
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<211> 317

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. H97889

<400> 609

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<211> 495

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> unsure

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<223> n = a or c or g or t

<400> 610

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agaatggagt atgggggttt cntaggtgga actaagatgc caaaagatgg tattccaggg 420
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<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H98835

<220>

<221> unsure

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<223> n = a or c or g or t

<400> 611

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 <212> DNA
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<220>
 <223> Genbank Accession No. H99648

<220>
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 aagtgtctcc tatatatata gacagtaaaa gtaagcaaag aaacttaca cacattccaa 180
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 ctaatataac atcaagctcc agtaggaagg tacagagagg gcaggaagtt tccatccagt 300
 ctggttttag tgctcttctt ttcttcaccc agtaaattca cggtagcttt cttcgcttct 360
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 ccat 424

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 <212> DNA
 <213> Homo sapiens

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<220>
 <221> unsure
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taccgtcaga taaatatn 438

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<212> DNA
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<220>
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<211> 1056
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<220>
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<211> 1089
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. J00231

<220>
<221> unsure
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<212> DNA
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<220>
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<223> Genbank Accession No. J03910

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1922

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<211> 2700

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. J04076

<400> 623

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<213> Homo sapiens

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<213> Homo sapiens
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<220>
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| ccttttccca | ggaaagaagc | atttctgata | ctttctgtca | aaaatcaata | tgcagaatgg | 1860 |
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<220>
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<223> Genbank Accession No. L34587

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<213> Homo sapiens

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| ggagcaagcg | gtggagacag | agccggagcc | cgagctgcgc | cagcagaccg | agtggcagag | 180 |
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| caagctgcgt | aagcggctcc | tccgcgatcc | cgatgacctg | cagaagcgcc | tggcagtgta | 600 |
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| qagctggttc | gagcccctgg | tggaagacat | gcagcgccag | tgggcggggc | tggtggagaa | 960 |

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M16336

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<212> DNA
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<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M22406

<400> 671

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<210> 672

<211> 1568

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M24069

<400> 672

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gcgcccaga gcccgggtggg cagcgggtgcg ccccaggccg cggccccggc gcccggccgcc 360
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 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. M26311

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<210> 674
 <211> 213
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. M28590

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cgcgggcacc ataactgcag tgagtcactg gaa 213

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<210> 675
 <211> 1045
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. M29645

<400> 675

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<210> 676

<211> 1586

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M30894

<400> 676

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<210> 677

<211> 1922

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. M31776

<400> 677

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<210> 678

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M31994

<400> 678

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<210> 679
 <211> 1268
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. M33197

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<210> 680
 <211> 1081
 <212> DNA
 <213> Homo sapiens

<220>
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<210> 681
 <211> 1631
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. M33552

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<210> 682
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 <212> DNA
 <213> Homo sapiens

<220>
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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<220>
<223> Genbank Accession No. M54927

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<220>
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cagaatacaa aagtgggatg ggaggcaagg agtcccgtta gaggactagt gaaatcatga 13080
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acacacacac acacacacac acacacacac acagagacat aagggtttat gtccatttaa 13260
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taatgttttg gtgtgtgaaa atgtcttttt ctctttggaa cgacgatcat agcagagagt 13380
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tggcatcagc agtctttgtc caggtggatg tgggagcagg gagggaggag tcccagacga 13620
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gatgagcaag gacattgccc caagataggg gcacactaca gagcagctcc ccaggagctc 14160
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gagtttttga ggatttttggc tttggtttga atgaaactgt tcccttacct cagggttttt 14520
caagtgtagt ctctaga 14537

```

<210> 715
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. M98539

<400> 715
 gggtagactg cagtctcca tcttagcttt cggtcacacc cctcaggact ccccagggtc 60
 gaagctggga tcccggccag ccagggtgacc cccacgctct ggatgtctct gctctgttcc 120

```

ttccccgagc ccctgccccg gctccccgcc aaagcaccgc tgcccactcg ggcttcatcc 180
tgcacaataa actccggaag caagtcagtc tggctcctgg ctgtctgcgc tgtcatcacc 240
cgtcctgggc ctggcctggc caccgggacc tccccctcta aaatctcagc ctgacgtcaa 300
caaaggaac 309

```

<210> 716
 <211> 2653
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. M99487

```

<400> 716
ctcaaaaggg gccggatttc cttctcctgg aggcagatgt tgccctctctc tctcgcctcgg 60
attgggttcag tgcactctag aaacactgct gtgggtggaga aactggaccc caggtctgga 120
gcgaattcca gcctgcaggg ctgataagcg aggcattagt gagattgaga gagactttac 180
cccgcctggg tgggtggagg gcgcgcagta gagcagcagc acaggcgagg gtcccgggag 240
gccggctctg ctgcgcgcga gatgtggaat ctcccttcacg aaaccgactc ggctgtggcc 300
accgcgcgct gccgcgcgct gctgtgcgct ggggcgctgg tgctggcggg tggcttcttt 360
ctcctcggct tctctctcgg gtggtttata aaatcctcca atgaagctac taacattact 420
ccaaagcata atatgaaagc atttttggat gaattgaaag ctgagaacat caagaagttc 480
ttatataatt ttacacagat accacattta gcaggaaacag aacaaaactt tcagcttgca 540
aagcaaattc aatcccagtg gaaagaattt ggcttgagg ctgttgagct agcacattat 600
gatgtcctgt tgcctacacc aaataagact catcccaact acatctcaat aattaatgaa 660
gatggaaatg agattttcaa cacatcatta tttgaaccac ctccctcagg atatgaaaat 720
gtttcggata ttgtaccacc tttcagtgct ttctctcctc aaggaatgcc agagggcgat 780
ctagtgtatg ttaactatgc acgaactgaa gacttcttta aattggaacg ggacatgaaa 840
atcaattgct ctgggaaaat tgtaattgcc agatatggga aagttttcag aggaaataag 900
gttaaaaatg cccagctggc aggggccaaa ggagtcattc tctactccga ccctgctgac 960
tactttgctc ctgggggtgaa gtcctatcca gatggttga atcttctcgg aggtggtgtc 1020
cagcgtggaa atatcctaaa tctgaatggt gcaggagacc ctctcacacc aggttaccga 1080
gcaaataaat atgcttatag gcgtggaatt gcagaggctg ttggtcttcc aagtattcct 1140
gttcatccaa ttggatacta tgatgcacag aagctcctag aaaaaatggg tggctcagca 1200
ccaccagata gcagctggag aggaagtctc aaagtgcctt acaatggttg acctggcttt 1260
actggaaact tttctacaca aaaagtcaag atgcacatcc actctacca tgaagtgaca 1320
agaatttaca atgtgatagg tactctcaga ggagcagtg gtaggtattg accctcagag tggagcagct 1440
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agaacaattt tgtttgcaag ctgggatgca gaagaatttg gtcttcttgg ttctactgag 1560
tgggcagagg agaattcaag actccttcaa gagcgtggcg tggcttatat taatgctgac 1620
tcatctatag aaggaaacta cactctgaga gttgattgta caccgctgat gtacagcttg 1680
gtacacaacc taacaaaaga gctgaaaagc cctgatgaag gctttgaagg caaatctctt 1740
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ccttttgatt gtcgagatta tgctgtagtt ttaagaaagt atgctgacaa aatctacagt 2100
atttctatga aacatccaca ggaaatgaag acatacagtg tatcatttga ttcacttttt 2160
tctgcagtaa agaattttac agaaattgct tccaagttca gtgagagact ccaggacttt 2220
gacaaaagca acccaatagt attaagaatg atgaatgatc aactcatggt tctggaaaga 2280
gcatttattg atccattagg gttaccagac aggccttttt ataggcatgt catctatgct 2340
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gatattgaaa gcaaagtgga cccttccaag gcctggggag aagtgaagag acagatttat 2460
gttgagcact tcacagtgca ggcagctgca gagactttga gtgaagtagc ctaagaggat 2520
tctttagaga atccgtattg aatttgtgtg gtatgtcact cagaaagaat cgtaatgggt 2580
atattgataa attttaaaat tggatatatt gaaataaagt tgaatattat atataaaaaa 2640
aaaaaaaaa aaa 2653

```

<210> 717
 <211> 385

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. N20967

<400> 717

```
aaagtagaga cgggggtttca ccgtgttagc caggatgggc tcgatctcct gacctcgtga 60
tccgcccacc tcggcctccc aaagtgtctg gattacaggc atgagcactg cccccggctg 120
ctttactttt ttgagagggg ggggcagtca ggaaaagctt ttgagaacta tggactccca 180
ccagcagtaa tgtgactgc acacacacag catcctgcag acagcctcga gggcacgccg 240
gcaccctgaa gcgcgtgcag aaccccatgg tactgacctt ctccaaacaa ctggtctgtt 300
ctgttcgacc ccaaaggagc ttgccccgtg tgcgtcaggg gatcaagagt ggcagaggat 360
gtctgtttct ggcaaactcc ccttg                                     385
```

<210> 718

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N22006

<400> 718

```
ttttgaattc ataatcattt attgtaaatc actcacagtt tacacattac cagtggcaaa 60
ataacactgt taaacaccta ctggatgaag aacttcattg tgactatttc caattgccat 120
catatctttt tctaaaattt aaaatttaac ttttaaattc tacatctttt ctgaaaatat 180
ctatcttcaa agtgctccaa tactaacact ataagccctt tcttttgctc taacatctaa 240
cacaaggggc acactgtccc attaattcca catgcacttt acaaagcaac ttcacacaca 300
a                                     301
```

<210> 719

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N22006

<400> 719

```
ttttgaattc ataatcattt attgtaaatc actcacagtt tacacattac cagtggcaaa 60
ataacactgt taaacaccta ctggatgaag aacttcattg tgactatttc caattgccat 120
catatctttt tctaaaattt aaaatttaac ttttaaattc tacatctttt ctgaaaatat 180
ctatcttcaa agtgctccaa tactaacact ataagccctt tcttttgctc taacatctaa 240
cacaaggggc acactgtccc attaattcca catgcacttt acaaagcaac ttcacacaca 300
a                                     301
```

<210> 720

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N22115

<400> 720

```
tttttttcca tatttaacat ttatttttact ttgctgagca agaatcatag acagctacta 60
ccacggctgc ttcgtttgga caaaaataac caggaggcat ccacgggatt agttacacgg 120
tatcaactta ccaccacagc agaatcaaca gttgactcgc taattaacag aaccgtttgc 180
tagaaagcac taatctagtt atataaatac tgaaataggt cacatgcaaa aactataaaa 240
cgttttgtgt gatgtacttt tagttctcca tagttttgtt tggatataag gaaatataat 300
ttggctgtga cgtagactgt tgatgtaatt ttcaagtttt cctgtatggg gaaagttgcc 360
```

ctgactgtgg cccttttcaa ggtggagcct ccaacaccac gttgggcaga ttcaga 416

<210> 721

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N22297

<220>

<221> unsure

<222> (1)..(246)

<223> n = a or c or g or t

<400> 721

aacatgttaa agaaatgttt aattataaaa ttaagcttat acataatcta aaaattttca 60
aatgtactgc atttatagca taaaagtaca attagtaaaa tgattcacta gtaatttaat 120
tacatttaat ttaaagtaaa attaaaaatg cttttctcta tgatgcagaa tattactcca 180
aacacctacc tcatgcatca ctcaatatga aaagtaaact aacaggggnt ctccacttaa 240
gatttt 246

<210> 722

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N22620

<220>

<221> unsure

<222> (1)..(450)

<223> n = a or c or g or t

<400> 722

tttcaagtca cagattacat atattttacat taattcaaat gtccaaagca cagtacagta 60
gggtctatctt aatagttcac ataattttaag atttacatat acacaagcac atgaaccaat 120
attagtttgc tagaacaggg atttaagaag ttactcagac attttggtat tgacacttac 180
atattttatgg caacaaatta tgatgacttt aaattttcaa tgagatcttt tgtacaagaa 240
tacagaatgg gaagaatgta caaaatgaaa agacaggcaa acaaattgtac tttccttggc 300
actattttcta taacaccata taggggtgtg ggcctcggtg ccgaaattcc ctggcaagcc 360
ccgggggggtt cccacctaag ttctnaggag ccggggccgcc acccgngttg gaagctccca 420
gcttttttggg tccccttttag gtgagggtta 450

<210> 723

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N23352

<220>

<221> unsure

<222> (1)..(368)

<223> n = a or c or g or t

<400> 723

nttgactttg gggtaatagg tttattatct ctatatataa gtaagcattt attgatgttt 60
gtcaaaaata agagacaaga taacaaaaac tatttttagca tgaaaacgag atagctgcaa 120
tagactaata ctgagcttaa agactccaaa aagagcacag aacctgaaat gacagttttc 180

```

aggttggtata gttatccaga caatgaagtc aactatacaa ggcaagcaac acatgacaat 240
aaaacacccat caacagtttc ccactggagg atggaggagg gcttgctggg gcctgggnaa 300
ctangtggga aaaatattta aaatctcata aatcctccgt atcctttttt tccnatttca 360
gggaactt                                     368

```

```

<210> 724
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N23730

```

```

<220>
<221> unsure
<222> (1)..(375)
<223> n = a or c or g or t

```

```

<400> 724
tcgcattcaa cttaaatgnt taacatngac aatgtcttgg aacaataagc aaacaatgct 60
taaatttttc attcaaattc actttccaca tgtcaaaaaga cctcaaggta gaaaaaaata 120
aaataaaaaat ataaatatct gagaatccat cttataaaat aaattaaaaa cncnnnccaa 180
cgtttttcacn nccccntggt aatgtcagaa cattcagacc acctcaacaa tgcattgatca 240
gtaacattac aatgaacatt gatgttgaag aaaaactaca gtacatggat atagctatatt 300
atttctatct accagaaaat aaagtcgtat cttttcttag tataatattg gtcatttcta 360
atcagaacac actat                                     375

```

```

<210> 725
<211> 469
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N24761

```

```

<220>
<221> unsure
<222> (1)..(469)
<223> n = a or c or g or t

```

```

<400> 725
anaattcaaa cttttatttg gcaataagtt cagagtcaca taacacataa aatcaacatt 60
taaaataaat agcaaattca catctagaat aaataggtct gcctaatttg cattaattgt 120
gcctgatatc atacaggcac aatctgtcat tccacgagat aactggaaaa gtctccaaag 180
tcagagttca aacctgcagg actgaaaaca cacagaagca ctgtcgcagg ttgggttccc 240
cgaaagcaga tactgaggtg gagaatggcg tgcaggaagg ttcataaggac agtgctgtgg 300
gctgagccgg ctgggtacag gcttgtcagg gagaggcact gggctgtaat gtggccacaa 360
tgaggtctca ctggacccca caaggggctc tggagctggg atggccccag aggttttccc 420
aagttggggg gaggaggcca gacctttgta ccccatatgg agccggtaa         469

```

```

<210> 726
<211> 454
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N24899

```

```

<400> 726
gttggtggaa aaacatttat tgcaattcag tgtcaaaagt tttttacaaa aatatgccac 60
cgtctgggtac aaacaactat aaaaaatcag ttcattcatg aagaaaagtg tgcaataaat 120
ttatacagaa ggactcagct cacacaatat taaataaaca tctctgcatg taattggtct 180

```



```

aactttatgc tttagttaca atgttcaacc ccctctaata cttttcattt aaaaaagtac 240
attaaagctt ctaagcttag gacacaggct gtaatatatc cccacttttag ccatgggtgat 300
tggcacttgg tagaataaaag attggcacca aggattccca agtatagaat acagcttgga 360
gcctttctgct taacagactt gtgcttcggt aattaaacaa acacatctat actcaaagac 420
agaaaaagtc atgttttaaac tccagaaata atgt
454

```

```

<210> 727
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N24902

```

```

<220>
<221> unsure
<222> (1)..(441)
<223> n = a or c or g or t

```

```

<400> 727
ggtcnacagc cgttttttcta gttccaagtt ttaaatacat ggaaggaagt ccgggagaaac 60
catatgaagg agcaggagga gaggaagaaa ctttttttcc ttctttttcca ggagtagctg 120
gaaattaaga tcgggttcct tttctgccag cttggaaggg caaccccatg actgattgctg 180
attctgagga tgtctatgca aagttggatt cttgttacag tgtatccaat ctgaagtatt 240
gcacatctga actgggactg ttaacactga tgccaataca gtgtgggggtg ccagaaagtg 300
tctgctgata tttgtggaaa aaaaatctat tttgtttacc tactgtatca aaggggagtc 360
tgggggagaa tggtagtatt tttttttttt atcagctgtg aaaaaaatgt tacagatctg 420
cacattttcg tgtgtactat g
441

```

```

<210> 728
<211> 488
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N24990

```

```

<400> 728
ctttagaacc ctttattgaa tggcatggca aactttttaa actgcttttg ctatttcact 60
agaactatct ttgataaagg atatagctaa aaaatgtcag cccaaactgt gtgtaattag 120
ggttgtttat taaaattttc tctaaatgtc atacagaggc ttaagatctg tgtatgctgt 180
tgggtcggag tgccagtcac tgctttggaa gtctgtgttc tggggctgca gaatgacaaa 240
cgtgtcatgg gattaaaacc aatcaactgt gaattgtgaa attgaagcta ctctttcggg 300
tttattttct ttagcatatt gagtatagaa atctgaaact tattttaaag ttatactgct 360
tttgttgatg gctcattttg gctgtgtatc ctcaactatg tactgatttc tggataaagg 420
cttgacatta ttataacacg ccattttgtg ttccagttta ataaaacggg ttctgagtct 480
tgtctgga
488

```

```

<210> 729
<211> 466
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N26713

```

```

<220>
<221> unsure
<222> (1)..(466)
<223> n = a or c or g or t

```

```

<400> 729

```

```

tgattattcc agaataatattt attttcccaa agaagggttaa ggatagaatt ttgtagagtt 60
tttggttttt taatgcatcc aacacatagg agaattttat tttaaagccc tttttaaaaa 120
tgaaaattct agttgggtcat caattctctt cagagcaaac atcatttatt ctactctata 180
aaaagaaacc taaacaaatt aagatgacaa gtaagaaaaa cttattctct ttatctcctt 240
taaaaccaa attttagttc tgctgggctg gttttcttca aattctcatt attttaccaa 300
tgaggcactt tataatacaa atgcttaaag tgttgaggga ttctgactcc caaaaacatc 360
atttgatat aacaagattt gtactactga cgttggatat acacaattaa atcnttcttc 420
ctagtggatg atggaaaatn aatgggttga ngtaanaccg gatcca 466

```

<210> 730

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N26801

<220>

<221> unsure

<222> (1)..(221)

<223> n = a or c or g or t

<400> 730

```

tttttttttc ttgatgcaaa tgtttttatt tgccacttaa actacagttt ccctgtgcta 60
tccngatggg gtgggggtgt ggaacaggct gctggaacca tggtttacag tagtagcagg 120
tagatgatta gtagcatgag tggtgaaatg ctgcatctaa gtgcctgtca ctttgctccc 180
aggggaatat catgcagccc aggaatatgt ttagactggg a 221

```

<210> 731

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N26904

<220>

<221> unsure

<222> (1)..(445)

<223> n = a or c or g or t

<400> 731

```

aagtttttta aaatttatta tttattattt ctttttgctc ttgtttcggt tctcttcctt 60
gagcttcttt ttggagactt tgggtctatt ggctttcttg tataggtgat acccaatgag 120
gccaggagg ntcggcacca tggcatccc taccagaggc aaaatgccct tcaccagctt 180
tanccagtag ttggctcgga ttagtgcatt cagctccacg tcatactgca ccactgcatc 240
cgctgggaca gatggtggaa atccccgttt tccataggcc aagtgagaag gaatgattgc 300
ccttcgcttc tctccacac acatgtcgag aagactctgc tccagacctg gaatcacctg 360
cttttgcca agttctataa ccagagggtc tctggtccag ggaggtgtca ataatacgtc 420
catctaccaa gcttcccgtg tagtg 445

```

<210> 732

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N29568

<400> 732

```

ctttatcggt atttgtttgt ttctgttcct tatcttttcc attctctgtc ttctgctctt 60
ctagatacct ctttgtatag gctgtcctc ctgaagcagc actctcctcc ttctgagatg 120

```

```

agccatatgt ggagccagtg gatggtggac tcttaccac agggctcttt ttggatggac 180
tcagggaccc agaaccatgg tcgaactgac cttgggtgtgt cccagactga taccggcac 240
cactcggcag agttgagccc atctgggatg tgctggaaag tggaggacta ggttttggca 300
cggggctagg acggggtgac cgccgcctca ccaccacaga ctgggagggg gcttttgaga 360
gctgggcttc gctcccgagg actcagctca gaaactgctg agggccgtga tgcagaacca 420
gtgccgtagg tggcatca                                     438

```

<210> 733
 <211> 497
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N30198

```

<400> 733
tatttttcat gaaatgattt attactttta gaaaacagta taaacttaca aactataaat 60
taagatataa gtatatttct gccaaagtaa gtcaagaaaa atgcacttca gaatcagctt 120
ttattacagg caatgtattg taaactcgaa catccagaat ctgagttaca cttattattt 180
ttaacatttt actcaataaa aatctgatat actgggtcca agtgatgaca cattccaaat 240
taatgtaact ttcttgcagc ttaaataaac aaatttagat caccaagtga aatcaaagcc 300
aagtgtattt gcacaactca agaatgatgt gaatggatta gaatctctca tagtgcatac 360
ttcgccattt atacacaaac tttgagagtc ttctgagtga catggtattt aactttgttt 420
ccaagggcca aataactaaa tgtatagaat atcctactct atactcacta ttaaattgtca 480
tggactaggg aaatctg                                     497

```

<210> 734
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N30856

<220>
 <221> unsure
 <222> (1)..(585)
 <223> n = a or c or g or t

```

<400> 734
gattaaaaag agaaaatata ctgtaaaaata tttattttaat aaaaataatt ttataatcta 60
tacagaattg aataaaaagt acaacaaatt attttacttt atttacaaaa ctgcatacag 120
tacaacttgc acattgagtt cagcattcta taaatatggc cacataccaa gatgtgaaca 180
tattcttgtc ttatataaga aaaggctcag gttgtatgcc acaaactttg aattaaattc 240
cagggaaata ttgctttggg aacatgaaca atttgtacca cattccatta aaaaagatt 300
taataaaatc cctcaaacag cacttttcta cttgtttcgg agtacacaat tcccaaatta 360
gcacaaacaa aacaaagcaa aaaaagaaaa acagacagaa tgtaaaatgn aggttgctac 420
ttttatgata tcacttccct ttcccttcct tagctagtgg tcccttccct tcccctaata 480
gtaaggggtg gngaattggaa atggcctatt cctatcccca tccatttgcc tccaggatcc 540
ctgcttaacc naatgnggta tggtcgnctt ggccacctgn cacc                                     585

```

<210> 735
 <211> 544
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N32521

```

<400> 735
ccagacatta tggccaagca tgccatacaa aactgtgttt atcgtgaaac aatctgagtt 60
aggaaactag gattgttgcc accaccattt atttatctag ttcataacta aggatagaac 120

```

```

actatagcag tgctagagat gcaaagacgt ccctgccctt aaggggttac aatcttactg 180
gagaatataa caggcacata agaagctgga ctacaaggaa gcatgagcta acaaattgcca 240
gacttcggaa ggcagcgtag tttgagaaca tgggattcag agtcacaaaa cccacatcct 300
agtcccaacc cagtatatca gttaacctct ctgggttttt tcccagctac aacattaaat 360
tagtaagact ggagaggctg tctgcatgtt tccatcatca ttcagatcaa aagctgagat 420
gagcttttagg gaggaggctg cacctgagcg ggacactgaa ggaaggcaaa ggaggtgttt 480
cagacaaggc aaagcagtac tgaggtagct gtaagcttgg agtttggatg ggagcgacag 540
ccag
544

```

<210> 736

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N32748

<220>

<221> unsure

<222> (1)..(579)

<223> n = a or c or g or t

<400> 736

```

cagcagaaga gtgacctgat tttattcacc ttttattgga aatctgtggg acagaactag 60
gcaatgaggg tgctacaata ataaaggtag gtgttggcag tggcttgacc agagcagaag 120
tggaatgaa acagttggat tctgtttgtt ttcaaagaag agctcataga acttactgat 180
ggnttggtat gtaggatgtg aaagaaaacc acagaaatga ctccaactaa aacagtaaaa 240
tgccattcac taatttcaag atgatgagag aagctgtttt gcagagataa tgaaagaaat 300
tctgtttgaa gcctattaaa gtttgaagtg catattaatt ggactttcaa gttgagatgt 360
caagtaagta gcaggggtctc tgagtatgga atacnaggct gtgggcnagt gacttancgt 420
ctgcaacatc cacatatagg cagcatcncc atagcaacaa acatccngtt ccaaataatc 480
cgccngattt tcntcctcca cgtccatctt cctcagagtc catcaggggc cncacagnact 540
ggcnaatcca cncatgngcc cgttacctcc ttctcngca
579

```

<210> 737

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N33927

<220>

<221> unsure

<222> (1)..(355)

<223> n = a or c or g or t

<400> 737

```

acaattctcc gcagatttta ttaattataa cttttttttt cagacgtcct gccatcttct 60
cattcagact tttcttagca aaggtagtcc atggcaagta atgaattccc agtaactagg 120
tctgtaacag aagtaaattc tgtttttatg tttataaact caaaaagtaa catgaagtgc 180
aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagtg tgcagcaaac 240
caggatgaag ttggatttgg gtgggatcca cacaggtoat tttcaggcaa gatgagactt 300
cccaagttcc atgnatagat tcatattatc agttatttta tgcattcatt tctcc
355

```

<210> 738

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N34517

<400> 738
 ttttttgttc tcaaatatatt tttaataaat agacgaaacc acgaaaccac tagactgatg 60
 gcagcaaaact aagggtcagat gagaggggaa actagagaag gagcagcctg agtcagtgc 120
 acaacctcct ccccgacctt ctaggttaag gcacttccgg ggaggcaggt ccttgggggtc 180
 ctgttacaca ggggtgaatgg gagaggaagg gattaggatc ccttctcccc acctttgcat 240
 caggacaccc ctgcccttct caccctaccc catggccctg tccctgattt acccactctc 300
 atctcacagc actctaaggg gaagtttggg tgggaggagt tcttgtgggt gggagaggtc 360
 tgtgcccctg aggaagccga tcctgccaaa tcttgatgcg acaccagcag cccactctac 420
 cctcttcac ccaaggagcc at 442

<210> 739
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N34817

<220>
 <221> unsure
 <222> (1)..(455)
 <223> n = a or c or g or t

<400> 739
 aacagggatt tatagcagct ttattcaaaa taactaaaat ttggaagcaa ccaagatgcc 60
 cttcagtaag tgaatggata aactatggta cacacaatag aacataattc agcactaaaa 120
 agaaatgggc tatcttgctc tcaaaagatg aggaaactta aaagcatatt actaagtaaa 180
 agaaggcagt ctgaaaaggc tacttactat ataactgcaa ctatgtaaca tgcgaaatga 240
 tggagatggg ttgcagggtt aaggggatga tatgtaataa acaggaagag cagggatgac 300
 ttttagaaca aagtgttctg tgaggtacta taaggctggg atacatgtca ttatacattt 360
 actccaaacc cataagcatg taaaaccncc aagagttaac ccctaattgg aaacctatgg 420
 gcccttggga ccacctatgg atggcnccaa tggta 455

<210> 740
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N36001

<220>
 <221> unsure
 <222> (1)..(412)
 <223> n = a or c or g or t

<400> 740
 attagtgaat tagtttattt aaaaccatca gtttttccaa tgtgaatgga ctggttcata 60
 tcacaccata tttagagata caagggtgatt ataactaacg tgtctacaag acatactggg 120
 tcaaacaatg tgatcaatcc aaagggtatc tttttaaaaa gaatttaagt actcagctgc 180
 aaagataagt tcactaatga gattttcttt tttttttttt taaaaaaaaa aggtttttta 240
 tgagtcaaat ttattacaaa aacttagtgt gtaatcaaag ccaaatacat tcctcaggca 300
 tgccagcgga acgcaaaaata atgttaatag aatgttatta aaaaaataaaa ctttttctga 360
 atgatataata taanacctca tggcacatta tcctcatttg gacaacngga aa 412

<210> 741
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. N38882

<400> 741

```
accatgccaa aagatttatt aatccttcta cataggcaat caatgcatgc atattccttt 60
ctttacaaag acaaaaagcca tttaatcctc cttataatct agtttaattc tgtttcaa 120
gtttgacctt gatggcctgc agtgctctat ctcttttatg tattttacat attgttataa 180
ctgacaatta atataaagtc cctttcactt agggatacga tctccttggt tcgggtttgt 240
agccagtccc ccaaattttg catgaggaca aattcacgat tcttatgagt gtgtccttga 300
atcccttacg tcaaggtttg gtgccatgaa ggatgaagct gctgagccct gaagtcgtgg 360
ggctaagggt acacggacaa ttaagcaact taagtgacta agcccgtgtc tgattcccct 420
gcagg
```

<210> 742

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N39415

<400> 742

```
cagagaataa catttatttt atttggaaag ttttcctaaa tatgagacta tctgctattt 60
ctcagactaa gtgaaaaatt taataaaata gctgccttga taggaggaaa acaaagttct 120
tactttataa ggaataacgt atgaatcata aaagaagaat gagcgatcat gggaaacatt 180
tagcttttca aagtttttgg aacatgtacc ttaaagtgtt ttgggatcca gtaaaggcca 240
ggaaaggcaa agagttgaaa gtttcttgga tttatcctcg tacttacatc attagtaata 300
ggaataatgc atctcaaatt tggggcattt atataaaaac atgattttta aatggtagtc 360
tagtataaac taggattttg taatgctgtt taaatatatt catattactt tgtttcgaa 420
gtagacattc
```

<210> 743

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N40141

<400> 743

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gctgactcaa gttcttcagt tcacgatctt ctagttgcag cgatgagtgc acgagtgaga 60
tcaagatcca gaggaagagg agatggtcag gaggctcccg atgtggttgc attcgtggct 120
cccggatgaat ctacgaaga ggaaccacca actgacaatc aggatattga acctggacaa 180
gagagagaag gaacacctcc gatcgaagaa cgtaaagtag aaggtgattg ccaggaaatg 240
gatctggaaa agactcggag tgagcgtgga gatggctctg atgtaaaaga gaagactcca 300
cctaataccta agcatgctaa gactaaaagaa gcaggagatg ggcagccata agttaaaaag 360
aagacaagct gaagctacac acatggctga tgtcacattg aaaatgtgac ttgaaaattt 420
tgaaaattct ctccaataaa gtt
```

<210> 744

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N47686

<220>

<221> unsure

<222> (1) .. (513)

<223> n = a or c or g or t

<400> 744

```

gggttttatgg ggtttaattt ttaataactgt taacatcato gagccagcta aacaccaaga 60
atatcaataa atactaatag tttgttttca cttcctcctt ctgttggagc actttgactt 120
tatatacatt ccagtccttag tgccaaggcc ccattggggt tcaaattcca taccagagca 180
catcacctgg atgtgactct catatgctca aggatattcc tggagttgaa aggaaatata 240
aaatgagcat aagaacagat tacagacgcg tcagtatgaa agttgatact cgtgaaaaac 300
agcagtttgc tgagaccctg gaagttagct ggagcagtcg ggcagaaatg actcgtgacc 360
atggctgcaa atggggcttg ttctcacaaa gggctttcca ccattctttt cttgggcttg 420
caggtagaag atgcggtttt cttcaggata agtaacttta ctgaggggca tctttagat 480
gttggaattt tttgtggtca tgatgaggaa cnt 513

```

<210> 745

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N48056

<400> 745

```

atataaatatt caactttatt tcaaataata caattttaaa atttatcaat ataccatta 60
cgattctttc tgagtgcatt accacacaaa ttcaatacgg attctctaaa gaatcctctt 120
aggctacttc actcaaagtc tctgcagctg cctgcactgt gaaggctgca acataaatct 180
gtctcttcac ttctccccag gccttggaag ggtccacttt gctttcaata tcaaacagag 240
catcataaat tcctgggaat gactcccctg catacttggt gtggctgctt ggagcataga 300
tgacatgcct ataaaaaggc ctgtctggta accctaattg atcaataaat gctctttcca 360
gaaacatgag ttgatcattc atcattctta atactattgg gttgcttttg gtcaaagtcc 420
tggagtctct cactgaactt gg 442

```

<210> 746

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N49899

<400> 746

```

ttccaacaac atttggttta taaaggaata caaacaggca caaaacatgg ttcagaagat 60
ttattaagta aacttgctaa aatatggaca gatacactta gcagtcaaac agttgaatat 120
taattgctac ctcatataag tttttgtatc tgtattacca ggtccaaaca taaaaaccac 180
ctctgttcaa aaaataaatg ttcagagagc tgtatgttct ttgttcttgt atgtacattt 240
taaaaaaaca cctctttcca gtcttgctaa ccaagaatat tagtcatata aaagaactta 300
gaattttttt cccaagtac aagctatctt ttggctccaa aacagttctg aaggttttat 360
ttatatttta tcttatcccg agggaacaa agcagggcac acctttggcc aggccttctt 420
ggcagaaaga cacagagccg taaagggaaa aaataaaatt gccataaagg tatag 475

```

<210> 747

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N51529

<220>

<221> unsure

<222> (1) .. (474)

<223> n = a or c or g or t

<400> 747

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gcaaaaaata aatataaaat ttattaaaac acccacaata ttttaaagat accaggagta 60
atacagttca caaacccagt tgtttgtgta aattataata aaatacaaat caaaaaggat 120

```

```
acataacttgc aattttctagg caccctaaat taaatttact gaaacactga gggagaaggg 180
agggttaagga ggggtagctc aggaggcaaa ccaataaagt ggaaggaaaa aatattaaca 240
aaaagggtaaa aattatacaa aataaaaatta tcagcgtaaa tttactgtac taagaatatc 300
tacagtttaa tacacatcct attgcccttg agacatttgc aaaaatctac cattcatcca 360
tcaaccccag attaaacttc attttcaagt agccccagtt ttaccaagtc nagacnggaa 420
tatttccagt atgggttggt aagttcacct ccantgggag gccagttac ccaa 474
```

<210> 748

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N51579

<400> 748

```
atcaaagtct tttgattatt tattagacag ccgcactgta ccaaattccac ttggctgttg 60
gtgggtttgag aaacttggtta catgctttca ttgaagtaat aagatcctgc tcttcataat 120
cgcagactct caacagctgg tgagtgggag aacctcatgt aaacaacctc ctctgagttc 180
attcttcagg gctcatgaga ccagtcacct tttcttcagc tgaaaaaaca catcaagaaa 240
atgaatgctt ctgtcctagg ggaacatgac acaatgagaa gtaatcaata actagaaata 300
gtgtggggtc gtcttttaag aaaacattat gaaatgtaag aaggctacac acacacacac 360
acacacacag attaaacaaat tttaaaaaga tatctgggga gatcccccta tcaactgtgg 420
tattcatggc acaagtttat ttaaaatctg gtggcctaca tttcccaat 469
```

<210> 749

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N52254

<220>

<221> unsure

<222> (1) .. (507)

<223> n = a or c or g or t

<400> 749

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tttctattaa tctttattta tatgatggtt ctctggaaag cacttcattt taaaacctgt 60
ttctgagata agtagcataa ggcgcatthg aagaaataact attgttgtat cacagagaac 120
ttccatgcct tgaaatcatt tttttcagag tattattaat aagatgggtc agctatgcag 180
agcaaaaaag aaaaaaaatc ttcaaaagcc aagactgtca ggcacatgaa ggtatgcata 240
aactgtcttc acatttaatt ttgtatgatt cgggagatac ctccatgtac atctaaccag 300
gtcaggcagc ataagtcctc agtaaccctg ggggtgtgcc gcttcaagcc aaagtattct 360
gttgagtttg gtttgtggag agacatttga aatgttgctt catagcttcc attttctgga 420
gaagtggaag aaatgaagcg tnaaaaggcc taggaaatcc tcgtcttctc caggctcttc 480
ttctccttct gcagnttcct cctcctc 507
```

<210> 750

<211> 166

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53359

<400> 750

```
catctaaaaa tgggtttttta atatatatat tttttccaaa ggaagaaatt tcttgctttt 60
actcagggaa aaaaaaaaaa ttaaggtaca tttgagtaga atgatttcat ctaaaagagt 120
tctttcagga gacatctgtg attcactgca ttgtttttat tttctt 166
```


<210> 751
 <211> 380
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N53447

<400> 751
 gtatagagta aaatttatta tagggttgta gaattcatac aacctaaact ccttacagca 60
 ttcagcacct acacaatttt gtgcattcca aatacagata gtagtgagaa agaatactg 120
 cattagttta aaatgactgt ctcattgaaaa ttctgttaca tataagtcag gtttaattaca 180
 gagcacctaa cagaactgca aagatgtaatt ttctaaattc aagaaagttg tacaaaatga 240
 aaaaacaaaag aaaccaacaa tgttgagatc tgatatattt tacacaaaaa gttcaaaaaac 300
 aatttataaat atttcaaatt ttaaaaattgc tccaccataa gatgaataaa gagcttactt 360
 aaaggaaaaag aaaaaaggaa 380

<210> 752
 <211> 260
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N54053

<400> 752
 acaggaaaaa taaggcattt attacagatt gaaactgac agaagaaaaa tcacagaatt 60
 cacaaaaatca ttctttgttg gaacttttct tccttccatt gcattttgct gtttaagagaa 120
 aaggagtgtg agggtcagac caccgtggca tgcgttcaca ttccagcttt ggaggccagg 180
 gaccaggac tcctgggaat tattcaaac cagatccgat gataccagac actagagcag 240
 ctatgaaaga agcagctcct 260

<210> 753
 <211> 441
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N54845

<220>
 <221> unsure
 <222> (1)..(441)
 <223> n = a or c or g or t

<400> 753
 tgctagctta gatattctac tataaaccat ttcattgagt acctattatg taaccaatat 60
 tttaaaatat acactgaatc tgaggcaacc caaaatgaac aatggaaaga aaactagtaa 120
 atctgaaatg tacttcacat tctacttaat ctaattttaa atataaattc attgtgcaac 180
 ccataagaaa gatgggtccaa cctgtgggta tttttaaaaa ttctaacagg agaaatcatt 240
 taaaattttt ctttttcaca atggcaaaaa ggaaagaatt tgaacataat atttaatttt 300
 taaaaaaatt cagcctgact ccgaccctga agatttcaga aagaacatcc gtcactatta 360
 aaatggatgg acagggccca aatgggggga ttggtttaan ccagnttttc ccaangttaa 420
 acccaggaat tangccccc g 441

<210> 754
 <211> 427
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N55085

<400> 754
aagttccaaa atagcaaaca taatttttatt ccacttttgt taaagaatgt acataaatat 60
agaaaacacc attaatggtg gttagattaa agggagtaag gacttgcaat acatactttc 120
ttcttttatac ttttatttcc taaacttttc ggcaataagc atgagttact cttctaaaca 180
aacaataaaa ccaacaaaat acatgaacct agtgatgaa tagcaatatt ccaattagaa 240
aataataaat tttatgaatt acctaatacag gactgtttgt tatggatgga aaatttccac 300
caaaactgca gaaccagaaa ggcaacacta ctatttataa cactaaaagg tgggtgatgga 360
gaaacaaaat ctgctctatg cattataacct tggatgattg acaagagaga atataaat 420
attattc 427

<210> 755
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N55502

<400> 755
ctgtgaataa aactttttaat aatgtacagc agaaattgga caggctcatt cttatattaa 60
aacaaaagat ttcctatatt acaattttatt tacatttgca tactgaagag gttaaagtgtc 120
taagtggcta ttttacagtc ctttctaata aaatgtacaa aaacaaacag aagtaccgag 180
aatgccgttc gggggccttt atggcgacgt aagaacgggc ttggacttgg tctgtgaatc 240
cagaatccag aggtgcaggt agcactactg gatcaggggt agcctcgggg ggccaaaaac 300
acggcttcag tttctcccca actctcactt agtgtaaga gtggcagagg tgggtgtggg 360
agcttcccaa agacctgtc catcttcccc agaggtggaa 400

<210> 756
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N57577

<400> 756
ttccctcagg tggttaaagg ccaccaaaca aatactgggc aacaggggtt tgttgggaga 60
gttagaaata aaaaattaac caaattttgt ccctgtgtta attcaatgcc agcaaggagg 120
caagtactga agaagaaaag ggacaatttt cataactaaa agaattcct ctaatcatgt 180
caccatctca tataatgaat ccagggaatc ccagaaatag aaaattagtt tcaggggacc 240
cctgaggcac tttaaagcct tttaaaaaat tacagtaata ataaattaga tattgtctct 300
cagaggctaa cagagcagca gaagcatcaa gatcaggtcc aaagagttat gccacattt 360
acaggcttcc tggagctgct cagccctctt ttaaagctta gttgaatcct ttaaaatacc 420
ctttaaaaag 430

<210> 757
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N58172

<400> 757
cctgaccgta ctctcaaaa tccagattgt ttgtgcatac atttaaaaaa aaaatcaatg 60
gaaatttcca cttttgttcg aacacataaa gtatgccatg agcaatataa catcacaac 120
gtactgtgac aaaccattaa taaagaagga ttactaagcc aggtgtgggtg gtgcatgcct 180
gtagcccagc tatgcaggag gctgaggcag gaggatcact tgagcccggg agtttgagtc 240
caccctgggt aacacaccaa ggactccatc tctaaaaaat taaaattaaa aggattactg 300
aaagatctca tttctaaaaa aagaaaaaag aaaaagatca ctggaagtcc agacatgata 360
tttttaatt 369

<210> 758
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N59532

<400> 758
 ggcaagtaag aaggaagttt aattttttttt tcaggattca gtggagtcca ttaatgcata 60
 ccaggggcaa agatcagccc agggtaaggc aagtctggga ggaagcccac cctgccctac 120
 agcagccctg gaactcagaa taggtggtga gtctgccatg gtttgctact gggcagcaca 180
 ctagaccaac ttgggaatgt ggaagagtga gtctatgttc cctcagccat cccaagttt 240
 acacacaggc atagcagccc tactgtgagt cagcaatcat tctgacttg cagtaaggac 300
 aatttgcatt tacggaaagc aaactggagg gggtagccta agtccgcact gcccatgtta 360
 ttaccctttg caatgtgaaa aaccatgggtg aggtagggtg ggcagggttt atcctctcca 420
 caaaggtgag cttttgctcc acagc 445

<210> 759
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N59831

<220>
 <221> unsure
 <222> (1)..(473)
 <223> n = a or c or g or t

<400> 759
 acctataaat atatttttatt cataacttttta aatatttttac aattcaaata aaaaccttat 60
 atgtagacaa tctgggctaa atttccatgt atgttttgaa aaataatgtt agcatgaata 120
 gattcatatt taaatatgat tttaaatact cttaatagag gagacataag aaatatttac 180
 ataaaagcta agtagcatga tacagctcat gggtattttc ctcataggaa aacaattact 240
 tgattttttt tttttgcata ggattaagac tgagtatctt ttctacattc ttttaacttt 300
 ctaaggggca cttctcaaaa cacagaccag gtagcaaatc tccactggcn ctaaggntct 360
 caccaccact tttctcacac cnaagcaata ggtaggnatc caggncaccac cttctgaggg 420
 nccggaagga atgggttccg gaaaataatg gnttttaaaa nattaccatt aag 473

<210> 760
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N59862

<400> 760
 tgccctggcca catttgcttt attataaaga tattacaaag gactcagttg aagagatgca 60
 taggacaagg tatgggggaa agggtgcaaa gctttaatgc cttgcctggg tgtgccatcc 120
 tccaggaacc tccatacggt cacatatcca aactcagtc tcttggtttt gtagggaggc 180
 ttcaagatga cagcattcct ttccgcagag tataggacag aacctctct gaaatggggg 240
 tcttaggact cacagaaagg taggggaaga tcaagagtcc cgtcttagtg aaggtaaaag 300
 ggcagaagtg aagtgagttt cctgtggcct aacacacaca acatgactat aacaagggct 360
 atagaagtta tgaacgagga actgtgggca aagatccgta aaaccagagt gactaaggca 420
 gtttacctaa aattatgcgt gaaaccattc tc 452

<210> 761
 <211> 441

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N59866

<400> 761
gtttttttttt tttttttaat acaaaattta ttttatttct atgtactaac aatgaacaat 60
gggaggtatt tacaattaca gtcaaaacca taaaacactt agaattttac aaacttcaag 120
acctacacac tgaaaactat aaaacatttc cgagaagtca aagactaaat aaatggaaga 180
tgatactatg ttcattcaatt agagtactta atatgttatt aattctcact aaattgattt 240
atagattcca tacaatcctg ctcaaaatcc cagcaggctt tattctgggg aaatattgac 300
aacctaattc caaatgttat agggaaatgc aaaggacctt gaacagccaa aacaacttga 360
taaaaggaca aaattgaaat ccttaaattt gactcccata tttccaacaa atctacagta 420
attaagacaa tggatatagg g 441

<210> 762
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N63047

<220>
<221> unsure
<222> (1)..(419)
<223> n = a or c or g or t

<400> 762
ntttttttta ataaatattt taattctatt gttgacattt acaagtagaa agcatacagt 60
atgtttacaaa tatcaaaatg agaaaaatat gaattgttaca taagtaacaa atataaaaaa 120
agtatttttct taccttccct gaaagtaaga aaactattca gcataggaaa atatcagtat 180
caaaaacaca gcttaggtgt aaaaaaagt tttacacagt atttaaaaaa aatgatctac 240
aaaatgacaa agtaagtgtt gaaatctgat ttcataataa ttataaaaaa tgggtactta 300
gagtaaatgt tatctgggtg gaaaaataagt ccaatcataa gctttcctta ggtcaattct 360
ttaaaatatt aaaagcatat cgaaaaattt tccaataaat aaccttnaag aggggttcc 419

<210> 763
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N63536

<220>
<221> unsure
<222> (1)..(189)
<223> n = a or c or g or t

<400> 763
nagcaagcaa aaaactacct ttatatatga tgttattcaa atacatggat aagataacac 60
attttatgat gtaaaaagta atatttaaaa attaaaaggc aagtctttct ggtattcaga 120
agtctgaagc aaccactgtc cagctcttta aaaagagcac attccattct ggtggcacac 180
aaatgtaca 189

<210> 764
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N64683

<220>
<221> unsure
<222> (1)..(523)
<223> n = a or c or g or t

<400> 764
acaacttttt taatatatat ttttataaac aggtcacgtg ataaaatagc acaagaaaca 60
cttaccaaat ataaggttat atcttccgca tatacaggag aatgaggtcg ttatgtacaa 120
taagaaaatg attttagggg ttggttggtt ttgttttctt ctctcccctt aatttttctt 180
cctacagtcg ttggaaatat cacagcttca gttgcattaa tactttgggc aaatggacag 240
ctgccccctc ccactagggg tctgtgggga ggaggggctg gagaaactgg ctcttgacca 300
ctcagccctg gagcttcttg gggctggcac tccagggaca ggaaaatctt tgggctgttg 360
atctgtttct gattcaacag catctctctc tctcttttnc ctctctctcn cagtctcatt 420
ctctctctca ctctctggct ctctgggaaa cgggtactct cttccaacca gataggagg 480
gtcccaagat tgggtgtggg gcgcgggtatc tcctggggnc ttt 523

<210> 765
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N66001

<400> 765
gagcaattat tgaaagtagt gatataatta agagttatgt gtagggtgaat ggggagattc 60
atttgccttt gactataaga agaagattat tacaacattt ataaggttca ttacaagtcc 120
tagaaaatta taaagtgaga agaattcttt gtgagtagct cccaatctct ccctatctgc 180
ccaagtagta gcataatatg tacatggaag tactactttt taaacaaaat tattccttct 240
ctctttccat ctccaccttc aaaattaaat tgttcattcc tgtctttgga gaaagaatct 300
gataaattaa ttacacttag aggttttgat gaccaattct gatatacata ttattcctac 360
caggctttat ttacatcaca aaagtttttg ttcagagctt aggatacata aacataaata 420
aattatgaaa tttttattta aacattccag gtaaagagtg tttttagcag aaagagcctc 480
ccc 483

<210> 766
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N66053

<400> 766
cagcattatt aacaaattta ttgaacaact agaacttgac aagcacatgc caggtagagg 60
ggatacagtg gagagcaata ataatgatga taatgaggag tagtttttcc ctacgaggca 120
gcagttgaaa ggaatattgg tttaacatcc accaatgagc aggggtggat agaccctct 180
cctggagaca gagtcataaa cgggattaaa aatatccctg taagccgggtc acccggtggc 240
tcaagcctgt aatcccagca ctttgggaga ccgaggtggg tggatcatga ggtcaagaga 300
tcgagaccat cctggccaac atagtgaacc ctcactctga ctaaaagtac aaaaatttgt 360
tgggtgtggg ggcttgacac tatatttccc agtactcggg aggctgaggc aa 412

<210> 767
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N66802

<220>
 <221> unsure
 <222> (1)..(401)
 <223> n = a or c or g or t

<400> 767
 ttttttttca ggccaaacta aagctttatg ctataaaaaac aagaaataaa ataaggagat 60
 ttataggccg gctgattgtc agcaaacaca atatatttac tgtattagca tttgctcaca 120
 gtgcaaatgg tacaacatta caccatttca atatttcggt ttttaaaaaat gctgttttca 180
 ttaactatat tatattggca ttacaatatg acaaaggagc aaatgaaatg ttgggtgaaga 240
 atttcacctt ttcacaatat caagcatatt tttttaacct tagtataagg tactataaat 300
 ccaagaaata aaacatcca caaaatatat tacatctngg tttgtctttt ttctaagtac 360
 tcaactttat acaaaaagtct ttcaaaaaat atcatttccc c 401

<210> 768
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N67041

<400> 768
 aacatttcat ggaaaacttt ttattggttt tctggataga aacaggaatt tatttgccag 60
 gaagaatgat cccatcatac ttcagctaga accagtgatg aggatgattc agtcttaaaa 120
 aagaaggaaa tccagtcata agctacagca tgtatgaatg ttaagtgaag tacgccagtc 180
 acaaaagaca aatactgtgt aggtatccaa agtaatcaaa ctcatagaaa cagaaagtag 240
 aatacttgct gccagggtt gcaaggacca ggaaatggag agctgttatt caatgggtat 300
 agtttcagtc aagtaaaata aaagaagttg tacaacaatg tatatatggt taacaatact 360
 gtattgtaca gttaaaaatt aagataaact tggatactta tttttaatgg acaattttta 420
 aaaataggtg tgggtaacaa tttccaatgg g 451

<210> 769
 <211> 489
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N67108

<400> 769
 ttcgtgtgta aaataaactt tattcgctcag aggttttctaa acgctcatcc ttcaaggaaa 60
 acggacatat gctgaagagc tgataaacag tctacagcag tgtttttcta acttaattctt 120
 gattacaagt ccttgccatt ttctccagc tgctgttgac tccagttata tatagggttg 180
 gggaaagggg attatctatg gatgtaggca tcaactgtctc ttgggcagtt atcacatttg 240
 caggctgaag ggatgtgatt ttataaatca aactatccat ttggaatata aatctggagt 300
 ggctgtaaaa tttgcttctc ggagatggag ctttcaaatt tgggactttc aattgttctg 360
 ttgttttagt tgttctcgtc aactggggaa ctgtttgtga ctaagctttg ttaaaagtag 420
 agaagagctt ttcatagttc caacatcagt tgttacctgg aaacaaacaa aaacacacac 480
 acatatact 489

<210> 770
 <211> 341
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N67324

<400> 770
 acagttcact gcctttcaaa gtgtttattc agaattatac tagaagtaat ttcatgaaaa 60

```

taatattgtg caaccttttc attctatttc aatgaaaagc aggcattgaac attactcaag 120
cttgaaattt tactgaaaag taaacatttc aattaagctt aaggaaaaaa gaaatttcct 180
gagatttcca gtgtatacag aagtgtcttt ccattaataa taattaaaag ttaaaaaata 240
tgctgataac ttgccacaat tgacagaatg cagattaata ggataaatgg caaacaaatc 300
tataaaaatg catgcagaga atcagagtga tcacccacc a 341

```

```

<210> 771
<211> 231
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N67575

```

```

<400> 771
tctattttaga tcggattttta ttttgcaata tttattatat attcaattca aatgtactca 60
ctattgtgct aggcaattga aagtaaaaaag tataaagctg catttttgcgc tctcagttag 120
gtttaagtca gggaaatgag gcatgcacac aaaataacga gaaagtagta taatagctgt 180
gatcattagt tatcaaaaata agtgaatgag ctaataatca ttgttagaat a 231

```

```

<210> 772
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N67815

```

```

<220>
<221> unsure
<222> (1)..(334)
<223> n = a or c or g or t

```

```

<400> 772
tttttttttt tggtaaagac ttttaagaga aagaagtatt ttaaaaagta gcagtgtctct 60
gaggctcagg gtgtaggatc gggggcacag ctggtcccgc gaggcccctt gtgcacaggt 120
ggtggcccag ggcnaagtgc tcgctcttgg gggacgcgcg gccgggggac ngccatcgtn 180
tccggcccgc ggctcccggc gggctccggc ggcagggaca atggcgaggc cgctcaccac 240
ttnaggaana ccatcccggc caggacggtg tagcccagca ccaggaagag gaccttnagc 300
anacggtcac tcttctcctc canctccttg gccca 334

```

```

<210> 773
<211> 478
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N67876

```

```

<220>
<221> unsure
<222> (1)..(478)
<223> n = a or c or g or t

```

```

<400> 773
agtcaagtac tttcttaaag aaacaatagc accacattgg catagctggg ccaaacaata 60
aatgggaaag caaaatgtgc tacatctttt attctaagcc ttctcccaag tgcataaaat 120
agtaacagaa accctggagc cacagagcat gagatcggtt tcatctacac aaacattgac 180
gttccaagga gaggaaggat tctcaagggt ggacaggctt tttgtttgtt tgtttgtttt 240
ttaataaaaat tttcaaggaa gtgatttctt ttcagtattc cattggatcc ttagggtgaa 300
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tctgtgtatg taggggtggg 360
gttaagagat tttcatatcc ctaagaaaga gtggattcng atggagagct gcattaactt 420

```


<223> Genbank Accession No. N69222

<220>

<221> unsure

<222> (1)..(284)

<223> n = a or c or g or t

<400> 777

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ttttatgagc aagcgtgggt tatttcataa atgcaagggt agcttaacat tgaaaaactta 60
atctaattta taattatgta aatgaaagaa taaaaataat atgatcacgt taatatttac 120
agaaactgca tttaataaaa ttcaacattc attcatgatt taaacaataa aagaaaactc 180
ttaacaaata agaatagaag anaccttcaa cagtctgact ttaaaaagag aaagccccag 240
aaagcctatg naaacatttt acttaatggg aagataaagt ttttttctaa aaa 293
```

<210> 778

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N72253

<220>

<221> unsure

<222> (1)..(320)

<223> n = a or c or g or t

<400> 778

```
cctttttctt aaggaatcca ttcatgttgg aagcccagat tccctaacat atgcactagt 60
ggttggctct gggaagtaac agtcaccaga gtctggaagt tcttcgcttg aactttgagt 120
agccactggg actattggaa gccagatggc canggtattg gnaaatgggc aaggggaaat 180
cccaagctgg gctcaagagc cgtgggttag ggaagaagaa ggtcaagtgg actggtaaaa 240
attctacttc aactgccctt attcatagat acaactttcc taacagtctc actctccacc 300
agtcccatat ccacaacca 320
```

<210> 779

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N74291

<220>

<221> unsure

<222> (1)..(465)

<223> n = a or c or g or t

<400> 779

```
agagaataaaa acttggattt attcagaccg tatgcttccc atttgggggtg cagagtgggg 60
gacagtcattg gggacagaga aaggcagtg c atttggcttc tagggacatg ctgattgctg 120
actcttttggg tgacctttgg gccaccagat gaccagctga atgatggaga tggatgatgaa 180
ggggctggcg gccaggtcct tctggagacc tcacagtgat tccaaacaga gaccaacgct 240
gtgtccagtt ggctctgttc ctctccaggg attaaggagc agatggctgg gaacactcag 300
actaattaaa gaaataaaaa ctctgggtag agggacactc tgggggggctc caattcaggc 360
agtgggtgtgc aaattcacac atgtcgtatg gtggggccagg cccgtgtgaa aaacatgtgt 420
gtgtcngtat atattacatc ctccacaagc anctggggagc cccca 465
```

<210> 780

<211> 212

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N75870

<400> 780

```
tcagcactga tggaaaatac cagtgttggg ttttttttta gttgccaaca gttgtatgtt 60
tgctgattat ttatgacctg aactgattat ttatgacctg aaataatata tttcttcttc 120
taagaagaca ttttggtaca taaggatgac tttttttatac aatggaataa attatggcat 180
ttctattgaa aaaaaaaaaa aaaaaaaaaa aa 212
```

<210> 781

<211> 229

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N75960

<400> 781

```
ttaaattaat agatcaaaag ctgctcgcac tacagagaca accaatagta tgaaaaaacc 60
agcatgctat caccaaaatc caaactaaga aaaactctac aaggtaaaca acacaacttc 120
ttcaacaaat atattgtaag agggcagaga gatgctgatg aaccaatagg tgagtgaacc 180
ccaaacctgc agcttcagat cacctgggaa tttggtagag atgcaattt 229
```

<210> 782

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N78630

<220>

<221> unsure

<222> (1)..(440)

<223> n = a or c or g or t

<400> 782

```
gtttattaaa ccagatttat tctccacaag ctgaagatac ctgagggttac atgaggactg 60
gcattaaata atttataaat gtatttttga ctgacagact tttatcataa ggattcatgt 120
gtttacaaaa gcaaaatcca acctctccag agctagaaag tgggaagggtg cccgggctgc 180
aacacagcct tgggggagga tgaggccaca taattctctc tgcccacact ctgagaatgc 240
cccaagaagt tagtagctac acaaagccaa gccttggggg aaaacctggt ccgtgggtgtg 300
gactctccaa aatgcagacc caaccggang ccgggcccgc ctttccatct ggaggcactg 360
cagggtttct gaaagcggcc catcccagga gcctggcaaa cacccccaga gaccctcagg 420
atgcgcagcc ccggggcctt 440
```

<210> 783

<211> 144

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N79070

<400> 783

```
catttcttat aaatttatta cataataata ttataataat tattatcaat aataataata 60
taagaaacat agatctctgt ggggcgtatc acaacgtcag ggtcaggagg cctcaggact 120
ggagcagggg gtgaaacccc ggga 144
```

<210> 784

<211> 446

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. N79778

<400> 784

```
atgttagaaa attttaatat atgattttgg tagggccaat acatagtaaa gacatagctt 60
tatttcaatt gaaccgaata aaatgatgta tttcagtaaa ttaaggcaaa ggagatagat 120
gctatgacca gtggtgcaaa atttttcaaa aattttatata ttagatttac ctttacaagg 180
ttatagtcaa gaataattaa tttgtatttt aagcaaactc tactgctttt caaaaaatgt 240
cttaatcttg agtgaggat agtgaaggta atcttaatat actgtttaac tttaaaaaat 300
aatttttagaa ttatagaaaa gtttcaaaaa gagtatagaa tttatgcaca cccttctgcc 360
agctttcctt aatgttaaca atgtacataa ccataatatg attttccaaa accaggaaat 420
taacattaca gtagtgtttt aattttt                                     446
```

<210> 785

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N80129

<220>

<221> unsure

<222> (1) .. (409)

<223> n = a o r c o r g o r t

<400> 785

```
agtctagatg aattttattgc cattcacata tttcatagaa aaaaagatgt agcaaacggg 60
tcagggttgt acaaaaaaaaa aaaaaaatcc aggtttatat aggttgctct atttacatct 120
gagagcacag ctgtcctggc atcaggcaca gcagctgcac ttgtctgacg tccctttgca 180
gatgcagccc tgggcacact tggcacagcc cacaggnang caggagcagc cagctcttct 240
tgcaggaggt gcatttgcac tctttgcatt tgcaggagcc ggcacaggca caggagccaa 300
caggcgangc aggagcagtt ggggtccatt tgcaggcaag gagaagcagg agttcccgat 360
tcaagaggaa aacacgcagc gggacagatt ctgctgccga attcttggc       409
```

<210> 786

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N80152

<400> 786

```
acctctgtca atgattcttt tgagaaaagc acccataatt tgctacttga ggattttatt 60
ccctggattc tctggatgct cattgcatga aaagtggaaa agtttagatc tatggaaaca 120
gaactgttgc ctatatcgga aaatcagtgc cttgtggaat acaggtaaga acagtgttgc 180
tcttgaaaaa gtggacagtg ggtggtctga atgtgtcctg gtccctggag tgggttttta 240
gattgatgtg gactcttctt agacttgtaa gtaaaaaagt tgtttcttcc cctaaaaggg 300
aactcgtgcg ccttagacct ggaatttgc tgggaaactg aaacattctg tagactttac 360
ttgtttccaa ctgtatcgca gcaagaagtc tatgtgcccc aggatc       406
```

<210> 787

<211> 219

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N80693

<400> 787
cacggtctgt acagtttata cacagagata gggaccgccc ctggggcccga acccctacaa 60
atatagatcc tctctacaaa atagagataa ttttagccccc ccatagcagc tgttgggggg 120
ggaagggggag ggcacaggag gaaggggggag actccagctc ctgccacccc tcacgggtaa 180
cagagggcag gggcagggcc ggcggggaca tgaaggcac 219

<210> 788
<211> 204
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N89827

<400> 788
aatgctctaa gttattttta tttgctagaa gactgatttt tggtaaggag cagcatctaa 60
taccttgcag aagtacttaa gaataggaga caaattccac tgataattag catttcaagt 120
gtgataatca gttgaagtat tttttccacc acagtaaaac atacaagtga agtgcaagag 180
aaaaggtcat atggattata tttt 204

<210> 789
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N91461

<220>
<221> unsure
<222> (1)..(508)
<223> n = a or c or g or t

<400> 789
ctttacattg tctaataagac ttgtttatta ttttaagctg gtaaaaagag acttatgatt 60
catgttgaag aaagagttat ttgtgcttga tacattgaag acactgttca aaagcagttt 120
gtccttataa aaggatgacc cctgtagtat ttcttaggca aggagggaca aattcaacca 180
acgaaaagca catctcgccc cgagttcccc atgatctctc cacatatagc aaaaaaatac 240
acatcagtaa tttatttgaa catgcacatc agtgagtagg cancagttct ncggcggcta 300
ctcaagacaa caanngggag aatatcagca ttacctaaat aaaaaagaga ggtgaatcac 360
accattttta ttgtctttaa aacacggata agaagagcaa ttaaaatata gtcctaaaca 420
gtactagcta atgtagatta cntaagtata ccatatgatt ccactaatag tgctctgaca 480
agcataaccn ccagttctag ttaaccag 508

<210> 790
<211> 154
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N91887

<220>
<221> unsure
<222> (1)..(154)
<223> n = a or c or g or t

<400> 790
atattttatta ttttattgct acattggaag tgaaaaataaa ctgtaagaag ctgccaaagg 60
atgcaacttc atgaagatta tgaaactatt gaggcaccca ttgtagaaag ttaaaattgg 120
cttatctgc atgaggtgga agcnaaggcc tccc 154

<210> 791
 <211> 169
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N91971

<400> 791
 gttttgaaca cagatcactt tattggcatg gctttgtttt aagaaaagga aaagtgacaa 60
 agccaagaga cagactctgc taacagatgc ctgggggtgg ctggacattt ttgcctcatg 120
 ctgtgcaaag aggggggatcc tggcccacac atcctgctga ttccttggg 169

<210> 792
 <211> 139
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N91973

<400> 792
 tttttttttt tttttttttt atggggcagc ggggggtcttt attcgtcaga ttttccttct 60
 tggcctactc cccaggtgtg gccagggata gtccatacag tgtgggtact gcaaggtcag 120
 gatggccagc agaccagt 139

<210> 793
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N92239

<220>
 <221> unsure
 <222> (1)..(395)
 <223> n = a or c or g or t

<400> 793
 tcagaaaact aaagcagcac ctttatttta tacatacaaa cagtataaaa tgtttattag 60
 gtaagagctg tgttttgttt acaatatatt atattgcttc aagccaatgc aaaaagttca 120
 tacattatat tccctatttc attgtgttta gaatatatta tattgtttta atgccantac 180
 cacagtgtaa tttttttttt tttaatactg aatctctgga ataatggtaa ggtcaaaata 240
 tattgtattg agagttttaa aattaagagc aattttttaa aatgtaacaa acatctaaat 300
 atctgacaat aaaatctgaa atgctgtaac ttcaacatta actgcacat ccaaattctt 360
 gtgacttacg cattttgccc catttaacct ttctg 395

<210> 794
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N92502

<220>
 <221> unsure
 <222> (1)..(510)
 <223> n = a or c or g or t

<400> 794
 tttttttatcac aaacaagttt cttttattgt ttccacacat tcataataac tatagaacag 60
 aaagattggt ttaatttgct gtcctacttc ggtgacctga tgaatacact ggtaacagtc 120
 cccagtttga gtaagatcag ttgaagccct tactgtataa gtccaaaatt taagaaaaat 180
 gaatctcacg atgagcttcc tcaggcttcg gccgtgcgtg gaccagtcag cttccgggtg 240
 tgactggagc agggcttgct gtcttcttca gggctactct gaaaggggtg tctgggcttg 300
 gtcttgccct ccagggttca cgcgctgcag gttttacatg gctgtgggtg atccaggctg 360
 ggattccttc tacttcacag cgggtgggagg gctcagaacg acagctgggg tctttccaca 420
 gtggacacaa agaggtagct tccagttctt gatcaaatng atcactgggg agaaaagggtg 480
 aactggggag aataantaac aggccattta 510

<210> 795
 <211> 253
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N93495

<400> 795
 tttttttttt ttttgaaagt tagggctcctt tattggggga tgtcagcaga gaacgtggga 60
 catgaaaaca agtcttagga gtttgagaag gggctcccag gacaggctcc tctgctttaa 120
 ggagcctgtc ctggagaaat taagcagggc cccagtatgt gcagaagttg tcaggggggtg 180
 cccaggggta tggatgaagga gaggtagtcc ccaagggcac cccagcggcc cggtagatct 240
 ggaagatggt gat 253

<210> 796
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N93798

<220>
 <221> unsure
 <222> (1) .. (270)
 <223> n = a or c or g or t

<400> 796
 cacggctcct gttttattgc cttcgggtgt cgggagcacc tgactgcccc ggggtctaata 60
 aatttaaggt gccgagaaca ggtcaggaca aggggtcgca aaanaggggc tgggggcagn 120
 tggttacaaa atatacccc accccacaac aaacaggcta gaggagacca gcctggctgt 180
 gtcggggagg ggcgggcaga gggcgcccga ccagccttca gagagacaga gccacggcca 240
 gcgccccaga gggagtggcg gagacaggac 270

<210> 797
 <211> 399
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N94303

<220>
 <221> unsure
 <222> (1) .. (399)
 <223> n = a or c or g or t

<400> 797
 ttttttagca agacaaggtg tttttattga ggtctcagga attgcaattt gggagacaga 60
 ttcagctaga agccacttgt gttctgaaga gagagggtag aggaggggtt tttaaaaaaa 120

gctgaggggtg attagacaag ttgacaagtt gttttgaaag aggcaactgg cttagtacaa 180
 aaatccatag tttattgggtt ggtgctgttg aggagttgta gtgctgggtga aataaaattt 240
 tccaggatgc agtgggtcatc gcaatttggc ccaattcaaa ggttcaagggt aagctcctgt 300
 attgtttttt tttttggagc ttttaatttt ttttcaagtt gcagggtcatg tagggaggtcc 360
 nttttaagaa tggcttcctc cctccaattt agagttcct 399

<210> 798
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N94424

<220>
 <221> unsure
 <222> (1)..(508)
 <223> n = a or c or g or t

<400> 798
 tttttttttt ttattattta gaaatgtaaa catttattta aaagtaggta gcaagttaaa 60
 aatgaatact tgcctgaaat cataaaacat aatcaagttc tttttaaaac agttaatttt 120
 tttcctataa tttactttca tcgaaagtat attatctttg tttaacatgc tagatagaag 180
 caatttagca acataaaaata tattagctat agtatgttca aaagaatgag aaatataaat 240
 tcagagatga gaccatcatt ttttgcagtt aaaaaaaaaa atgttgattc tgggtgcaaca 300
 tacactgatt atccagggtt tacatttttag ggctgaaacc ctgaggaacc tgctgggtgac 360
 tgttttagcac tngagcagag ttcagtgtgg catgctgctc ccagagttaa aagcnaaagc 420
 agactggaga aacnaaaaac ccacatcctt ggcatttcng aggttttcac ctggtaatcn 480
 tagggtttcc ccaatttatt agaattgtt 508

<210> 799
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N95495

<220>
 <221> unsure
 <222> (1)..(462)
 <223> n = a or c or g or t

<400> 799
 tttttgccaa acattagagt ttgttttatt gcatgacgtt tgcataagaa aaaaagttat 60
 tgaaaactgt aaggcatcat gcaatcattg aataagctaa ttattaactg tacacttaag 120
 ataggtggac atataatcta aaattttaaaa actagttcca gaaaagtaca taaaaaattt 180
 aacatgatga gctttttaa atgtgtttata gtttcatgtt gttaaaaagt gcttcaaagt 240
 tactgctgga aagttgctct ttacaaaatgg cgctgggggtg atgtcagatt ataaactgta 300
 aaaaccaagt acttttatgg aattagaaaag ctaacattgt gatccccaac ttcttgaacc 360
 agttttcaat cccatttcaa attaagttga ttaatatata taactaaaaa cactgggttta 420
 taccaccaaa ggcttggatc cagtagnctg tggccacca tc 462

<210> 800
 <211> 197
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N98485

<400> 800

```

tttttttttt tttttgttat atacatttta ttgaaaaaaa attttacaac aaaatatattt 60
ggcaaaactgt aaaagtatac ataagtgcaa atatatcctc cttttaaaat acaagcaaag 120
tgtgagtata cacggtcata aaaatatctt taaaatatgg tggtagaaaa caaccttgta 180
aaaacgttgt attgtcc
197

```

```

<210> 801
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R00144

```

```

<220>
<221> unsure
<222> (1)..(340)
<223> n = a or c or g or t

```

```

<400> 801
tctaaaatat aattgtttat cccaatgtca ctccacccag gctgcagtga tggcnaaatc 60
actgtaacct cgaacacctg gcttcaagca agcctcccct aagcttccca cactgttggg 120
attgcaggca tgagccacta ttgtctgagc agtggtctct cctgcaggct ggcttaccct 180
ctgcatccca cccatcctgc aggtgaggct gaccatgccc ctaggggtcca agagtcaagg 240
gtaatgaaca caccatcac ctntcaaaaag tgacggctct gtcctcatca atatgaggga 300
ntttctcan ttcttgcat aatcagctca ggggacacaa
340

```

```

<210> 802
<211> 264
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R00440

```

```

<220>
<221> unsure
<222> (1)..(264)
<223> n = a or c or g or t

```

```

<400> 802
tttnantgan cacaagtaat atgtttattt ttaaaagtaa cttactatct atcttgtctt 60
tttcgtatca gaaaagggtgc tgtaggaaa agaaaacgaa agtacaccac caagttaaag 120
aaagggaagc ttgggggtaca gattcagctg cctcacgaag actgagctgg acgggctg 180
agaagggtgct tgtctgtcaa ggacgtcccc gtaaggagcg gtggctgcag cagctgctcg 240
ctgggctgtg gccgggggca ggct
264

```

```

<210> 803
<211> 417
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R01257

```

```

<220>
<221> unsure
<222> (1)..(417)
<223> n = a or c or g or t

```

```

<400> 803
aactattctt gttttatatt ttattatact ggaacagctc gtgtcctctg tctcttgctt 60
cgggtgcttg gtggcttgcg cccacnatct cccccctttt tattaactag aatcgccatc 120

```



```
gccatcattg cttgttgttg acttcggact tggtttcgga ctccttagag gcacctgcag 180
actaaaagga gacaacataa gcataccaat attaataatg ccagtaacaa caatgaccc 240
ctgacggggt tgagccattt gaaggaggat aaatcagggt aattgttttag ttatgccttc 300
aaaaatgtgt gagccaggga actgtgggat aaatggggct tgtgaagcct ccaaagattt 360
gctctttaag gttgtggaaa tatcccaagg gtttaaggta tcatcccngg gggttttt 417
```

<210> 804
 <211> 258
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R02003

<220>
 <221> unsure
 <222> (1)..(258)
 <223> n = a or c or g or t

```
<400> 804
tgantttntca tagggctcgg cgtgggaaca gagcgcagga gtctgggggtg ctccaccggc 60
ggggaggggg cgcgagtcct ctcctggggg gatcgggggt gctaggcagg ggtgggtggcg 120
caagaagggt ctcgggagcc ggggggtctg gaggtggagg agtctcagca tcttggtttcc 180
tgtgctcctt cccagcaggt gcaggccctt ctgcctgggg tccccctctg aaggccctcg 240
gtttccccgg cgccaagg 258
```

<210> 805
 <211> 408
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R08720

<220>
 <221> unsure
 <222> (1)..(408)
 <223> n = a or c or g or t

```
<400> 805
gaaacgtgag aatgaaagt gatgcccgcg aatcccggaa gtcagactgt ttttttcagt 60
tccctggagg ctttttgata ctgattcgcg tacacctgtt gtttgaaagc tctcagcggg 120
gacaatgctg acccagagac acgtccttga tatgttttcc agtctggtct tgaactggga 180
aatgatcctc tcgcctcgct cctgcaaagc atgagccagc tgggagtaca gtgggcgcga 240
tctcgggttc acttgcaacc tccacctcct tgagtttcaa ggcgattttt cccaccttca 300
ggccccctga gtagggtttg gggtttacag ggcgncacc antaattttt cgggttaant 360
tttttgattt tttttaggtt ggaagacggg ttttcccntg ttttgggc 408
```

<210> 806
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R08850

<220>
 <221> unsure
 <222> (1)..(294)
 <223> n = a or c or g or t

<400> 806

```

ttccnaaanc aggcaagtaa tgtgtcgaca tagtaacaag gtttgaagga ggaacatctc 60
atgcacgtgc gtggaaaccc aattgtcatg tgtatgaact acaaaaggat ggggaaaaga 120
acacatttcc tcacaacagg antacatgag attagaaaga aaaccggant gaggtagatg 180
catgantgca cagacaagggn tatgtgacag gaagctgggt gacattttgc atctgacata 240
gcagtagacc tagagagccc aaggaantcc accccaagt taccagagggc aaga 294

```

```

<210> 807
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R09379

```

```

<220>
<221> unsure
<222> (1)..(413)
<223> n = a or c or g or t

```

```

<400> 807
ttggnttgag tttggccttt cctactgcag ccagggtgaga gcttaagatg tcagtcccca 60
atatcttcac agagtgcctt tatgaccagt ttggagaatt acgatggtaa ggggaagagg 120
cagatatgaa gaggaatggt taggggaatt gtcattcata actctgtgct atattacttg 180
aggggctaag aaaaatgtat ggtcagtgaa acacagtagt gtacccttaa atgccttata 240
aaagaccatc catccagtct gcgcttttga ctgtgtgcaa gtatcagtaa taatgctttt 300
ggggggctca gatgaacagc gaacacccaa tcagccaggg gctctgggaa gggaaagctc 360
ccaaaaatga ggaagtcctt tccaacaccc atttttccca ttactgttct cac 413

```

```

<210> 808
<211> 319
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R10896

```

```

<400> 808
ttaagccatc caagtaaaaa aaaaaatttt aatttaacaa tgaaaaagga acttcaaagg 60
gtttatgccg aaaaacaaac cagtcctctg cagcctaact catttgtttt tgggctgcga 120
ccattgtaga gggcgatcag gcagtagatg gtccctccca cagtcagcgc catggtggtc 180
cggtaaagca tttggtcagg caggcctcgt ttcaggtaga cgggcacacc atcagctttc 240
tggaaaaact tttgtagctc tggaactttg tttttcccag cataatcata ccctgtggga 300
atcggagggtc agtttagtt 319

```

```

<210> 809
<211> 318
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R11526

```

```

<220>
<221> unsure
<222> (1)..(318)
<223> n = a or c or g or t

```

```

<400> 809
tttantagcg cgaccatttc tttattaaat tatacaaaan ggnnggggag gggggcagct 60
gtggggctcg gcaanaccn ggccccaccc cggcctggcg ctgtctgaga agaggggatc 120
tgagggagat ccagggatca ggcaggatag ggatggggca ggacatgagg ctgggggatg 180
cagaggttag gtgggagagg ctaccngaga aggaatgagg ctggtagggg agggagaaa 240

```

agagcaaaga gagagaggag caattggggg ccagctggag agctcagatg gagcaggtca 300
ggaggtggaa caatggca 318

<210> 810
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R15108

<220>
<221> unsure
<222> (1) .. (362)
<223> n = a or c or g or t

<400> 810
tttttttttt tttttttttt ttttaacggta gaaccaangt ttattaatga cagcctttat 60
tacaatcact ctcaagtgtg aaaaataaag ggtgattaat taatatttaa aactcactcg 120
gacttgctgt ttggcctttc agtggatgtg ccaaagggaa gggatcttgc ctgattctga 180
atcaattggc cagatggagt tcaactggaga atgaggcaat caacaaaaaa gacaaatgat 240
gccaaactgga gagagctcgt gtcttctcca tgttgggaagg acattacaaa atggcaactn 300
tgggtggggg cagagatgaa gtaagacaac cttacagtcg gagtaagatg tgaataccct 360
tt 362

<210> 811
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R16983

<220>
<221> unsure
<222> (1) .. (416)
<223> n = a or c or g or t

<400> 811
ttgcagagac aagtgaacat ttatttttgt acctttcttc ctatgtgtat ttcaagtctt 60
tttcaaaaca aggcctgagg aatctccaga ttcaattatg tccctgggct ttgtcgacag 120
ctgcaggagt cttagggagc cttgtacaaa tgctagagtt actcatttac caacattaaa 180
cccagagaata gaagatgcaa caaagcaggt ttccttcttc catgggaaag tgctgatttc 240
agacaagggc agcagccaat gtaggaaaat gctgggaatt tttccttggg aactgggact 300
gtggatgaga ggggtgcttg cccatggaac cataaggcta ctgtcttttc ttttggnccc 360
ttcccttttc cagggttttg gaaggnataa aggccgggaa ataaatcttt ctctgg 416

<210> 812
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R17000

<220>
<221> unsure
<222> (1) .. (378)
<223> n = a or c or g or t

<400> 812
ttgggggtcgg agtggtttta ttgggcagca ggggctcang gccggtgggg cgtcaccgat 60

```
acaagtagtc agcctggatn ttggcggcga tctcggcctc ccacttgtec ccgttnttga 120
gcaacttctc cttgttgtag agcagctcct catgggtctc cgtggagAAC tcaaagttgg 180
ggccctcgac gatggcatcc acgggacagg cctcctgggg agaagccgca gtagatgcac 240
ttgggtcatg tcgatgtcat agcgggtggg ccngggcggc gccatcagct ctttggtca 300
gccttcgatg ggtgatggcc tggggcnggg caaatggcct tcgcagaatt ttccaggcaa 360
ttcaacgttt cttcccc 378
```

<210> 813
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R25116

```
<400> 813
ccctgcatgc cttccacatt tttccttttc cctttattca tttctttgac cagtggattt 60
ggtgtaaadc aggatgttca cactctgagt gactgacact ttgattctaa tagggaagga 120
aatataggaa ttcttttttt tttaattaaa aaattgggca tgtttagtgg ggaagtaggg 180
taagaatagc tgtcaagagt aggaaagaga ccaagcagag aaaatcagaa agggccaagg 240
gatacagggt gttgggggga gggtaaataa gtgtgtgaga ggtctattca atttctgtga 300
ggagggaaga cgtgattacc cttgaattcc ccgggggcct ttacaggggg c 351
```

<210> 814
<211> 234
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R25410

```
<400> 814
gtggacaaat cttttatttt ctgaagacaa gtgatttgaa gtccagactg aatggcattt 60
aagaattagg aatcctgcgt gccatcctgg agtgaattaa actaaattag agtccagaat 120
atgcagcttc tttaagaaaa aattctcttc tgaaatattt tctttccac tgcattaagt 180
agtgttcctc atgagacatc tggaaaacat tgattgttaa aatgtgggtc tggg 234
```

<210> 815
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R28370

<220>
<221> unsure
<222> (1)..(419)
<223> n = a or c or g or t

```
<400> 815
anatggatat tagttcttta ttgagaatca gaaatatatt aaatttacta aattcagagg 60
tagtcatggc ctctcccaa taaactttac agtcttagac aatttgtgca ttttaataaa 120
ttcttagtta tagtattaaa gaaagtggct gggcgcgggg gctcacgcct ggtaatcca 180
ggcacttttg gaggtccagg gcagaggcag ggcagatcat gaggtcagga gatcgagacc 240
atcctgggct aacacggtga aaccccgctc ctactacaaa cacaaaaaaa ttaggccggg 300
cgtgggagac agggcaccgg taggtcccgg gtacttcggg gagggctgag gacagggagg 360
aattgctttg aacccgggga ggccaagggt ncagttnagg cccgagattc acgggnact 419
```

<210> 816
<211> 431
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R31679

<220>

<221> unsure

<222> (1)..(431)

<223> n = a or c or g or t

<400> 816

```
acttccaaga tnaacatttt tctgtttatt cttagaatgt gaattttttt tttcaactca 60
gggccaagta caaacttttg atttttgaaa ttttttcaac tcagggccaa gtacaatctt 120
ttgattttaa aatttttttt catgaacaaa ccatcagtag ttattaagga gccaagaaa 180
taggagatgt gaaagcagga tttctttgtg tttcctttga atgttggtat tttgagtatt 240
atcattatca gggtaggagg gaaggaaagg gtagggctgg ggaaggtagg gtccttatgg 300
atatcttgac tatgggatcc ccaggattta catttcacct ggtcacagng gcacacataa 360
tttaggataa acatgttcaa ggaatggaca taaacagagg ggtaaacaca ggggggcttt 420
acatttgggg g                                     431
```

<210> 817

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R33301

<220>

<221> unsure

<222> (1)..(443)

<223> n = a or c or g or t

<400> 817

```
gcaacattct ttctttaatt tccctttgca aatggaagcc cctgagctgg tgcccacccc 60
caccctacc ccataccctg gggacccccg atgcaaggcc cccacctcaa cctgggtggga 120
aaagaggagc acccctccc tatgatgggc cattaacaaa ttcctagtca ttttaagaaat 180
gaggctggga atgggagaaa ggaactggga agacaaggcc caggtcaggc cagtctgaag 240
atgttggggg tgtgagacct ttgaggaagg gtttgcaagc acatccctaa gntcggggcc 300
agcatggctt gaaagggagg gagaggttga cacacagaca gatagttttg atttccttca 360
aggtcctgcc tgcctgggtt gttactttta ggntgctnga catttnacca ccaccaccac 420
caccaccacc accaccacca cca                                     443
```

<210> 818

<211> 247

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R33627

<220>

<221> unsure

<222> (1)..(247)

<223> n = a or c or g or t

<400> 818

```
aaaaaaaaact tttgaatcat ttattctttg gttgtctaca nagacactta agtactgtat 60
cgctgtcatg cagcggcctg tggaggccct ggggggtggc gggcctgtgt cctgagccct 120
cagccagatc caggggggtg ggtgtctggc catgtccact ccaagagcag tagcaccatg 180
tagaaggctg tgagcagggt cccctcggct gagtggcaga ttagggtcga ctgctntgca 240
gccccaa                                           247
```

<210> 819
 <211> 282
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R36881

<220>
 <221> unsure
 <222> (1)..(282)
 <223> n = a or c or g or t

<400> 819
 tttttttttt ngtgattata cgttttatta gactcnggga ggggtaatgg caaggnccttc 60
 atcangtggt ccttcaaatt aaaaaaaaaa aatacaaaaag ctacgtagaa aacgtcagat 120
 cagacgacta aactttcccg actcagggcc aagttcttct tgagcctgcg ctctcgggac 180
 gcctgcgagt cggctctccga gtacgggggc ggcgcgggcg ggtagtaggc ctcttctctc 240
 tcctccttgt ggggtctcct cctctcctcc gacccttct tc 282

<210> 820
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R36969

<220>
 <221> unsure
 <222> (1)..(428)
 <223> n = a or c or g or t

<400> 820
 tttttttttt ttcaagttgc tttttccctt tttattaaaa atagactcaa gcactttant 60
 gtatcatata aaagtttcat tcgctggtgg cagccacggg aaagactggc cccgtagcac 120
 tgattttcca cctcccctcc agggacttgg gtcccaggag cagtgactgg gcctcagaga 180
 aagcccataa agactgctta ctctggaagc agccgactag gggctnttcc gcgagcagct 240
 ntccccaccc cacccaatgg caaaagttag atactcgaaa gtgcctcttc agtgccaaga 300
 taaactaaca agtgggagtg aaatgggaaa accctttgat tattttacta ttttccagg 360
 ggcctggggg nttttnagtt tttccctgca attcaaagtc cttttttccc ttacaatagg 420
 ggggtagg 428

<210> 821
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R37588

<220>
 <221> unsure
 <222> (1)..(507)
 <223> n = a or c or g or t

<400> 821
 ttttttttta gaattcaggt agtgttttgg tttattatct tagtggtgtc acaagtgata 60
 gaaaccccca ngaagtngga angaaagagc tccttgcttg gacctacatt ttgccattcc 120
 cctcttgccc tgggntcaga accttgaagc ctttgcttgg cccttgcatg ttaggatatg 180
 gccagaatc agaaactgat gcgtttttcc agcactacct gtgtgctgca ctcatggaag 240

gtgggaagct atacacaggt atccaacttg gttataagac accagttccc acagggctgg 300
 atttctcagc tgtctgggta aaccagtggc acttcaactgc cccaggggtg gctggctccc 360
 tttctgaatt tctgtctcaa tgtgatataa ttgccaccat tcaggatggc taccacatt 420
 ttggtatgaa caccatgact tctttaaggc aacggggggt ttcctnctca gaacagtgcc 480
 cctgnaattt ttctctctgt gggcttt 507

<210> 822
 <211> 239
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R37774

<220>
 <221> unsure
 <222> (1)..(239)
 <223> n = a or c or g or t

<400> 822
 ttttttttta tgtattttcca aaatcacaaa atgcacaaca ttcattngttt ttaatatattgc 60
 aacatggaat attatataca gattaaaacc acgacagcaa aaacactcac acggtaccag 120
 tttcatatca aaacaaaaca cacaagtgtc ttttcaatat taaaacgact gtgataaaaa 180
 catattaata ttttgaacca tgtttacaat agngcaaaat tcatatttta ctaaataac 239

<210> 823
 <211> 237
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R38678

<220>
 <221> unsure
 <222> (1)..(237)
 <223> n = a or c or g or t

<400> 823
 tttttttttt tttttttttt ttttttccng ttggaaattt tttattttacc actgcaaggt 60
 ttttgctcca aagtgtcaca ccagacatat gactacaatg tctcatgcat ctttttgtgc 120
 tttagttcat gactgcaaaa cacacactta gcatttgaca acaggaaaca cagagggcag 180
 aaacaaatca caaggactag ttggttttagg ttacagccac attttccccg gggctcc 237

<210> 824
 <211> 401
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R38709

<220>
 <221> unsure
 <222> (1)..(401)
 <223> n = a or c or g or t

<400> 824
 tttttttttt tttttttgat ttctcaacat caaagttaa ttattacaaa atagttcaag 60
 caacatgata tgantttcaa aaactgtatg ttgcttngct tcttngttt gctccaacac 120
 taatcatgct gaggtttttg aagcacagct atgactaggg caggcactct tgatttcagt 180
 cacaaaaacc cttcttggat gaacaatact tgttcttttc agaagaaaag caattttacc 240

```

ttttctatatt ctattatgaa aaacagagct aaacaatttt tgtattttta gtagagacag 300
ggncccacca cgctggccac gntgggtctc ganctccttt caagntgttc tgcctgcccc 360
ggcctnccaa agtgccgggg nctacaggat ntgaggncac c 401

```

```

<210> 825
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R39394

```

```

<400> 825
cctgtttag ggtgttcctc cagaagcaaa gagcaaaatt ttactgttgt gatgtaccaa 60
ttctaactaa ttgtaatttt taatttcatt cgtttaataca ttgtctcttc attttaagac 120
ttttaataca aatgtcattt ttaaagaaac aaacccaaaa ctattgtttg tgtttctgtg 180
tttcatattc agtgatttaa tacagtatca tgggctgagg tgggatgggg ggcagggtgca 240
tggatactct tcagaggcta tttgtggaaa ttttaaagga caggaagtgt ctcaagtaca 300
agttgggatg gacactactc cccaactttt taaattgggg aggaaaaccc tcagggtcga 360
gggaggcccc ggggt
375

```

```

<210> 826
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R39467

```

```

<220>
<221> unsure
<222> (1) .. (340)
<223> n = a or c or g or t

```

```

<400> 826
gagccacctc ggggtgactg agcgggaaggc caggcagggc ttccctcctc ttccctcctc 60
ccttcctcgg gaggtcccc agaccctggc atgggatggg ctgggatctt ctctgtgaat 120
ccaccctgg ctacccccac cctgggctac cccaacggca tccaaggcc aggtgggccc 180
ttagctgagg gaaggtacga gctccctgct ggagcctggg gacccatggg cacaggccag 240
ggcagcccgg agctngngtg ggggcnttag tnggggggtg ntgcttgacc cccagcacaa 300
taaaaatgaa acgttgaaaa aaaaaaaaaa aaaaaaattt
340

```

```

<210> 827
<211> 379
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R40030

```

```

<220>
<221> unsure
<222> (1) .. (379)
<223> n = a or c or g or t

```

```

<400> 827
tttttttttt ttttcatttt tactggcttt catttggact tgaatatcaa caagtatttc 60
cagaataagt atctttatgc cagaatatct ttatacatgt gtttgtgggt agtagaatgg 120
ggtataaatt ttacaaacaa aaatatTTTT taagaatagt ggaacaactt actatacaaa 180
aacaaaattc agagganttt gtgggcaaca gcaacctcaa gcagcacaca tatttcacag 240
agtgaatgtt catggaatat tatttctgta tcttacatgt tataaacata taaatacaat 300
aatttgtatt tctatttggg gggtcattgt tcattgtgga cttaacaggt ctaaccaagg 360

```


gttttaaacn catattggg

379

<210> 828

<211> 197

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R40431

<400> 828

```

tttttttttt tttttttgtc ttgtgtgtat ttttatttca gggaaagaaa tgagggatat 60
gataagaaaa agtctattaa aattgtaagg cttactccag acaccattgc tttaatcact 120
cccctcgcac acagagagaa aaccctgagg caagtgcaca aaaacactac tcataaaagc 180
acgggtgacc agtgaac                                     197

```

<210> 829

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R41798

<220>

<221> unsure

<222> (1)..(486)

<223> n = a or c or g or t

<400> 829

```

tttttttttt tttttttttg catttattgt ggtaaaatat acataacata aaacctttta 60
accatttatt tttaaacatt ttaagcttct tattgaaata taacaatata ggaaacacat 120
acacagtaca acttgtaagt aactgctca atcagatttc atctggatca agaacagant 180
attccaatat tccggaaaag aaaagnaaac atgttaaaaa aaaangattt ttatttataa 240
aacctagnac atnggtantt aaantggggg gttaagagag ggtaatctct ctatcccttt 300
gtgtgtgtgt ggtatatata tatatatcat acataatccc atatctatgg catctttacc 360
caccctttta atggtnccct tttccggaat ggggggttttg cnggagggct tttcttgggg 420
ggggtatttg gttttatttg gttttaaagg gttttggggg ggggntaacc ttgggggggt 480
ttcccc                                           486

```

<210> 830

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R42241

<220>

<221> unsure

<222> (1)..(464)

<223> n = a or c or g or t

<400> 830

```

tttttttttt ttttgaaaac agaattattt attgcataca gcatgggact gtgatcaacc 60
tggnecatcaa atgccgcgat ggctgacagg gccagggcgg cgggagtgtt gggaagccca 120
gtacacgtgc tccctctctg tgggactccg ggatccacgg ggcggatggt tctntgagtt 180
gcgagttgtt cctgtttgct ttccagcccc cagtcctccc cggccactct gattagccag 240
cctagggtag ggctggcat aaagtccacac aggcaaacc cagaagaagg aaaaagggca 300
cctgcatgaa caaagagttg ggttgacagag gntgcaccgg ggtaagactt ccttcatgca 360
gttnggagtc cncccatgtn gggacatcag gagatgncac cncacagaat tggtnngctag 420
gttttntctg gttttggccc agagaggctn attcccattt tttt                                     464

```

<210> 831
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R42336

<220>
 <221> unsure
 <222> (1)..(375)
 <223> n = a or c or g or t

<400> 831
 tttttttttt gtatttttctt ttaaattcttt atttatcctt ttcattcctt tatcccacca 60
 atgcaaattg cggagaacag ctggaagcca cgtcagagcg gcacaggcca gctggctgag 120
 tgatgctgac cgctggctcc gagcatcgag catcgagag atcacaacgg gncatcagct 180
 ctgggagctc ctaggcgnca ggcaacagggc tgctggagggc ccgcagaggn gcgcacntnc 240
 ccagncttnc cacagtagtt tggnccttaa aaacactaag naacagttgn cattcattgt 300
 cttttttttt cttctttttt tcctttaatt aattaaaaaa gaaaaccaa acctcctata 360
 atttataagc tatgt 375

<210> 832
 <211> 318
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R42424

<400> 832
 tttttttttt acttttctgtg agcttatgag gccattctgc acattatcaa aatgaaatca 60
 ttatgcagta accttatata tataaatcca attttttctt ttgtagaaga aaaccaaatt 120
 aattttacaa actacattta acttagtaat ataaagaact gactagtgtg aaattttgaa 180
 aatctaccac tttattttga agggaaaagg acacatcctt caaaaccccg gctaacaatt 240
 cctaggttca gttttctatt atacaaatca aaagggttaa ttccttgtgg gcactaacca 300
 aaactttaaa aattaacg 318

<210> 833
 <211> 490
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R42525

<220>
 <221> unsure
 <222> (1)..(490)
 <223> n = a or c or g or t

<400> 833
 ttttttttaa ttagaaggaa agaggtagaa gacactgatg tctatttggt ccaagattac 60
 gctctttgtt ctacacactg ggtaacaata attgttccca actaaagggc caggccaggg 120
 actcgtagat gctgatggtc agcttttctt tctcctttct tctcaatgaa tctcaatggc 180
 ccctaacccc accaactatg ccagctggc aaacatctaa tgtgggggaa agcagcaaga 240
 tttgtgctgt aggggaataa acaccgaagt tcaggggagaa tgggggggcca taaaccacac 300
 actgactgac caaatggacc ttgggacaaa tcattttccaa acctaggaaa tggcctccaa 360
 cagttaaatg tgggggttagg cttaaattccc tttcccgga cagtgtnttg ttttctaggc 420
 tngaggtttg cttttagggt gaaccctttt tttttnttta ttntttggcc aggggtnagg 480
 ggggcaagtt 490

<210> 834
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R42607

<220>
<221> unsure
<222> (1)..(243)
<223> n = a or c or g or t

<400> 834
ttttttttttt aggcctttgca aaatacatatt aatgatctct ttcaaacaag tgttactcgn 60
gttttcttttg ctttctggag ctaaattgggg tatcgatgag gcagcagtca cgggagaccc 120
aacatgctct tggcagatac tggattatcc aactatcaaa aatggagctg tagaagaggc 180
atgttnaact ggttaaaaca gaaaggggtat tttagtacgg tcaagttgat ctaagtacag 240
agg 243

<210> 835
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R44397

<220>
<221> unsure
<222> (1)..(270)
<223> n = a or c or g or t

<400> 835
ttttttttttg tattgtatac acagtggaaa gctgggtttta tttgggagac aatgggagct 60
tttacattgt tgagcaaagg agtgacgaga tcagtcttgc tttttagaaa gattagtttg 120
gcagttactt atttgtaacc aganttagac agcaaattcg gatgcagggg gagaagtcag 180
gtgactatta gtctgcgagt aattctggga caagagcagt ggtaattggaa ttnaaaggga 240
ttaaagtntt taccaggttt tggcataaat 270

<210> 836
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R44535

<220>
<221> unsure
<222> (1)..(367)
<223> n = a or c or g or t

<400> 836
tttnttccaa aaatcaccac cttaataact ccccggtcct gcacacaccc acagtctcac 60
tgggctccac cctcacttac tgcccgcctt ggatggcctt ggaggctgcc tgcccgcgcc 120
aggatgtttg gcacaaagag cagccccgaa gcccnctnaa tgntctcgat gggcaccagg 180
taagcgnctc agtgggatgg cctnatccac aggtgcgttg ggcacacgt aggtgcggan 240
tncaatttgc ccantgntn cctccaggtt cagcaccttg aagaagtttg tgggcactgc 300
cangtggttt ttgcccgatga cctgggtant ttacgtagga tttcccatca gnetctgtcc 360
atgggac 367

<210> 837
 <211> 398
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R44714

<220>
 <221> unsure
 <222> (1)..(398)
 <223> n = a or c or g or t

<400> 837
 tttttttttt tttttttttt ttttttgattt tnagcaggna cagttttgat tttattgcaa 60
 ggcacacaat cgtatataca atgcataatt atcatctttt aaagtacaag ataaaaatca 120
 tatacattat agtaaaaganc atatgagtat attcttggtt cagagangaa anttgcctta 180
 aggaagctgg gttataccgt ttttggatgt gattttcgta tttatactga atcatccgaa 240
 cagctcttgg ttaggaaaat aaatctcatt gatagggnca cacaaccttt cacaggcttt 300
 cactttacaa tgttccantt taaaggctcag ccagtggtggc tccctggatt ttggcatggg 360
 gtcacgtttt tttcatcccn ggggtcttgg gttggaaa 398

<210> 838
 <211> 364
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R45654

<220>
 <221> unsure
 <222> (1)..(364)
 <223> n = a or c or g or t

<400> 838
 tttttttttg ccatgtttca tttcctttta taatgaaaat ccataagggt ttaaaatact 60
 cttagacaca cctagcttag caaatatcat ggacctctac atttatgtga attcacacat 120
 gagctagcca gcacctcagt tctggctggc catcgacacc tgcttctccc tttggccctg 180
 gggccaggga gccctggagg ccagggtccc ctctgcctcc tccaatggag ttgccagcat 240
 cgcctttatc tcccttctgc cccaggaggc caggaagccc aggggagcct tcagccccct 300
 tctcaccnt ntgcccntn tttncagca aacctggggg ccccnngntt ccttttgttc 360
 ctgg 364

<210> 839
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R45698

<400> 839
 tttttttttt ttttttcatt ataaaagtca gtttattttt cctttctgtg tttcgtattt 60
 tccctttttg tcagtaaag agcaatacac tgactggaaa tctgcatgat taaataacat 120
 taacaagttc ataaacacac cccatatcag agtataaagc aagagggtga aaaatatccc 180
 ctaaccgaat gccaaattag ggtatccctc aaaattgcac attctccct 229

<210> 840
 <211> 254
 <212> DNA

Figure 1 consists of 12 histograms arranged in a single column. Each histogram represents the distribution of the number of non-zero elements in the vector x for a specific value of n . The x-axis for all histograms is labeled 'x' and ranges from 0 to 120. The y-axis is labeled 'count' and ranges from 0 to 100. The histograms are for $n = 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120$. As n increases, the distribution of non-zero elements shifts to the right, indicating that more elements in the vector x are non-zero for larger n . The peak count for each distribution decreases as n increases.

<223> Genbank Accession No. R46074

<221> unsure

<222> (1) .. (254)

<223> n = a or c or g or t

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|-----|
| tttttttttt | tttttttttt | tttttttttt | ttattgccaa | ganccaaaga | aaaaatttta | 60 |
| tttacaatag | agaattttat | ttgaaacatg | catttcttgt | ttttttaaaa | acaaatcagc | 120 |
| aatgcagat | caagttttaca | ctccttaagg | caagagtcct | tatgcacgct | gtacatgttc | 180 |
| atatttaaat | caaaagctgc | tcacccgggg | aacttgtgtg | caaagggcaa | ggccaaggtc | 240 |
| aqcaaatgtt | cttt | | | | | 254 |

<211> 338

<212> DNA

<213> Homo sapiens

<223> Genbank Accession No. R49138

<221> unsure

<222> (1) . . (338)

<223> n = a or c or g or t

| | | | | | | |
|------------|------------|------------|-------------|-------------|-------------|-----|
| ttttnttttt | tttttttttg | ggagttgaga | tattttattaa | cagatggggg | tgctgggggt | 60 |
| gggctcctgc | cccagagggg | ttgacaggtg | gatgccgggt | ggggagggct | gcaggggctgg | 120 |
| ctcctggcct | ctntcctggc | ttcatgggtc | tgacanctct | gggccancct | cagggctggg | 180 |
| agcgtactnt | agcaccance | tttcaaagtc | gttctccttg | gcctgggtact | ccttgatgaa | 240 |
| gggatgggac | ctgtgggcat | ccttcagctg | ggacagggtat | cggtttgtea | cctcaggggg | 300 |
| nttgccagqn | tqctnngaca | ggacgatgag | gttnacca | | | 338 |

<211> 284

<212> DNA

<213> Homo sapiens

<223> Genbank Accession No. R49327

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | tttggaaaaa | gaaatttttt | tttaattaga | aaccaagttt | acatacgggt | 60 |
| aaatggttac | taaaagctca | gttgtaacca | ctcctaacac | cactagcaga | acctcaaggg | 120 |
| agccaagagc | tcttcccttt | tcccctgtta | atttcagta | taagttagca | gcacaattat | 180 |
| ttcatgtcac | atttaagaag | aacaagaacc | aatttatata | aaggtacaat | tgtatatcct | 240 |
| taaacattcc | acataaacac | actgtcaaaa | ctcactggat | atgc | | 284 |

<211> 414

<212> DNA

<213> Homo sapiens

<223> Genbank Accession No. R51831

322

<221> unsure
 <222> (1)..(414)
 <223> n = a or c or g or t

<400> 843
 tttttttttt ccatttttaaa ttatttttatt gtatatttaa aaaccaaata aagcaataac 60
 tttaaagacc tcacacacac acagtataaa cacctgggta aggttttntt cgtgtccatg 120
 ttgacaccgg aactaccgtt aaagtgcaag ttttggtttg tggttccttg tgcagtttca 180
 ctcacatgta aacaagtcac ttggctatga tttgaccac gccccccgn ttagtttcgg 240
 gagggcagag gctctaccgg ctgtcacagc aaccoggant cacagncaag ntaatgcccc 300
 gtgggtcctg accctgcaag cggggcatga cggtttcctg angcctagca gaggntgggt 360
 aactttcaca tncctcccc acccgtgggt tcactnttag gtttttgaga agtt 414

<210> 844
 <211> 538
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R56183

<220>
 <221> unsure
 <222> (1)..(538)
 <223> n = a or c or g or t

<400> 844
 gtaagatggc ggggtacgac ttaactactc gcatcacgca ccttttggat cggcatctag 60
 tctttccgct cttgagttt ctctctgtaa aggagatata taaagaaaag gaattattac 120
 aaggtaaatt ggaccttctt agtgatgcca acatggtaga ctttgctatg gatgcataca 180
 aaaaccttta ttctgatgat attcctcatg ctttgaaaaa gaatagaacc acagttgttg 240
 cacaactgaa acagcttcag gcagaaacag aactaattgt gaaaatgttt gaagatccag 300
 aaacgacaag gcaaatgcgg tcaaccaggg atggtaggat gctctttgac tacctgggcg 360
 gacaagcatg gttttaggca ggagtattta gatacattct acacatatgc aaaattccca 420
 gtattgaatg tggggaatta cttcaggagc agccagaatn tctttatttt ttccagagtg 480
 ttggttcccc caaccgacag anatgctgta agttcactct gggggaagct ggcctctg 538

<210> 845
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R56216

<400> 845
 tttttttttt ttagaaagaa gttgtttacc actttaatag ggctgtccaa catttggtca 60
 catagatcat cttgaaatct aattgttttc atggccttcc tatctcacia gaggagacct 120
 gaatactctt ggaaaaagca aaccaaacat agaaagagat gccatgataa gacttggttg 180
 tacagcacta tgtagttaac gatgccagac tttggattta atcagaggac atttctgcag 240
 tctaggacag ctatacaaag ccttaagaca ttgtatttac aggacttatt catgtaggga 300
 tccatatcct acccataact ctggccagag tcttaatagc atgggtggga gtgggctccc 360
 ttaaggaatc ctcat 375

<210> 846
 <211> 364
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R56602

<400> 846
 tttttttttt ctgttatgat tagatattta ttgagcacca ggagagagtc agaacattag 60
 actttatagtg gaggagcaga actgaaccct ggctgttgaa ataacaattt caattaaaag 120
 ctgtctggcc ctgaagaaag agaaatgata ctggatatag ctggtcctct gagctggcag 180
 agctgagcct cctcggggtc ttctgggtggg caagatgcca aagttgaata gtgtctgtag 240
 ggcatgatga ccaagtccta gtgctatggg catcttcctt ctggtattta ggagaggagt 300
 accagaagcc cccggcagag gatactagga agggcccaga gccaaatcca gcagctgggc 360
 ttac 364

<210> 847
 <211> 181
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R58878

<220>
 <221> unsure
 <222> (1)..(181)
 <223> n = a or c or g or t

<400> 847
 caaacagggtc atttggtttt attttatgga tacaccaaaa ttttataatg agttgtgttt 60
 ctattttggc tttatcttcc agaaacttag aaccaaatat gcagtcctct tctagcaact 120
 gtatgagagc aggtggtaag cttctatttn attgcccttg ttttccttg actccaaatc 180
 t 181

<210> 848
 <211> 485
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R59593

<220>
 <221> unsure
 <222> (1)..(485)
 <223> n = a or c or g or t

<400> 848
 tttttttttt ttttttgcca ttgaaaagaa agtttaatgt tacaattctc cccagaaatg 60
 aggggtcatgg catgccacag ggggccacat gaaactctgt cacaagcaga gaccacaaag 120
 cagagagagg acctgagact atgcctttat tgctaagtca gtgggatgga tctagggtgg 180
 gatgtcccct gtttgggcat aaagcaaaaa cagacattct atggttgtca ctgggaagtc 240
 tgtgatatga gttttgtgca cccacgagag agggcttaaa aggatgatgt aaacaacttt 300
 agccttttagt ttgtccctgt acttaatata tgtcaaatag ggcaaacaca aattctaagg 360
 taaacacaga ttagttccgg gagcagcttg gcttatggca cacnttcagg gaaacacctt 420
 ggcttaaatac ttacagggga ccacctgttt ttttcaaact ttgggggttat tccgtttctg 480
 acttt 485

<210> 849
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R60056

<220>
 <221> unsure

<222> (1)..(363)

<223> n = a or c or g or t

<400> 849

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tttttttttt ttttataaaa ggaaacagac caacatcata gtgtttttatt gacaaaacca 60
taggaaaagg cagtttttagg atgtaaaagta aaaatgggttc tctgaaatat ctacacaaaac 120
gtgaattctg aaaagtttttc attaaaaatcg tatttcatac aattataaac taatgaggaa 180
caaaacaatt ttcaacttct ccataaccca gactgagctt gatttatgct tgccatacag 240
aagcagganc tcttcccaga gaggggtggtg gctcccacac agctgacagc caggtttggc 300
tgtttaccta agcccatct tcccagtcgg tgttcaaaac aagggcacaa ggtctgggct 360
tttcaaaaaa aa 372
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<210> 850

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R60777

<220>

<221> unsure

<222> (1)..(387)

<223> n = a or c or g or t

<400> 850

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tttttttttt ttttttttatt taaatggaaa cactaatctt tatttttcac atgctgaagt 60
gtgtgggttac aattttccaat aaaacactat atataataag caaaataagt tagtacattg 120
taaacttatg cacagtttca tcaattaaca gtttaaganc aaacaagcca tttaagactt 180
tgagactaca tttagtaaaa nattgcaaac actcaaactt tatcaacccc aagtaagaca 240
gtaaagagct attcaagact tcttcaaacc aattacacaa ntacatgttt atttttgggt 300
acagtcccct ggctatgcac aaggaccatt gggaatgctg ggancaattt acacatttta 360
aaaacgggca aaaaggcaaa gcaagggt 372
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<210> 851

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R66690

<220>

<221> unsure

<222> (1)..(440)

<223> n = a or c or g or t

<400> 851

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acattttcaaa atttagatat ttaatagttg agaaaaaata aagaaacaaa aaatacaaca 60
aaagagaatc acccataggt ttcaggaaca aaatcattaa atggaaaaat gagaagaatt 120
ctttattttt ggaccaattt taggcactta agagttttct tttcttcctt tccccttgat 180
caaagtgaag atatgatagg gaattcagaa atttctcttc ttgaagaaag cagagataac 240
ctgtccatcc tagtgaaaga aagcacaaac gattcacctg acggtggaca caaatgact 300
ccttcattct ctcagttctt tctgctgtaa tgaaattcca cctgatacat ctagccatag 360
cacactgtta attactttgc tattttattca gtaggctccn caagtgggga agcgttcttt 420
tgcccgggga tttgtccggc 440
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<210> 852

<211> 350

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. R69417

<220>
<221> unsure
<222> (1) .. (350)
<223> n = a or c or g or t

<400> 852
ttttgtgggg ggggcaacta aacaaacaca aagtattctg tgtcaggtat tgggctggac 60
agggcagttg tgtgttgggg tgggtttttt ctctattttt ttgtttgttt cttgtttttt 120
aataatgttt acaatctgcc tcaatcactc tgtcttttat aaagattcca cctccagtec 180
tctctctctc cccctactca ggcccttgag gctaattagg agatgcttga agaactcaac 240
aaaatcccaa tccaagtcaa actttgcaca tatttatatt tatattcaga aaagaaacat 300
ttcagtaatt tataaataaa ggggcactat tttttaatga aaanaatttg 350

<210> 853
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R70212

<220>
<221> unsure
<222> (1) .. (341)
<223> n = a or c or g or t

<400> 853
gcagttggga agaatttatt atcactaagt ggccctgaca gatcagggag gaggggggtga 60
cactaacgag gctgctacaa tcagctcccc tagaggcagc gattaagggc tcattacccg 120
ctgggggtgag gggagcctgg gaaaggcagc ggggcgnggg gattaggtta ggaggtgggg 180
canttttagag ggaagaagag tgggacaccc ccaggggagt ccaaggaggc ctggcctggg 240
agaagantna gnttaccctc ccacccccca ntggggannn tatgactaag gaagcccca 300
gaagggntga aaggagantt tcccaggga ntaganttag a 341

<210> 854
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R71395

<220>
<221> unsure
<222> (1) .. (284)
<223> n = a or c or g or t

<400> 854
tggaaaaaan nacaacttta ttttcagtca tttctatttc cttggttatg aacaaaggta 60
gcaaagtgca gttgtatcag cagtgccaat agaaattaca gagtttttca tatcccttta 120
cagtttgcca caggtatctt aaaatattgt ttacactcat ctctcttcag ttaccattg 180
tttaataggc ctaccctoga tctttttatt caatatgtta ataaagaaac ctatacacat 240
agtatcacgt tatacatttt aaaantnttt tgacaactgt atat 284

<210> 855
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R71792

<220>
<221> unsure
<222> (1)..(480)
<223> n = a or c or g or t

<400> 855
atttattgca aactccctaa tatcacatgc tagtgcgctt gnaatttcac tcaggaatgt 60
tccgggatgg gggccagaag gtagagagca ccatgaaagt acagcctgcg aggccggatt 120
gctaaggggc agacttcatg ccaatggagg gacaganttc aggaccagtc tggatgggct 180
aagctgcctt gggcngnaag gagctggatc aggccaggga gcttgagggt ctccctttggc 240
caaccacccc caggtttcca gctcctcctc ctcaactcagg gtcctgcgcg gtgagggagg 300
tttgggggag gttcgcggt ntacagctgc cagggnntttt ggggcactac canttaagcn 360
tgaggccccc agtcagtcct tcactnnggg aaagtttcca agganttggg gctttcactn 420
gcattttttt cagacangtt ccggnntaagg ggttnaagct ttnccttngg ggggttnccc 480

<210> 856
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R82942

<220>
<221> unsure
<222> (1)..(395)
<223> n = a or c or g or t

<400> 856
atttattttt caggaagaga aacaggagac ctcgaggctt ctggacttag gaggnccggg 60
cagctgggcc atggttgtcc aggnagtgcc gcaggctgtt ggganaatcc gttatgacgc 120
cagtggctcc cagctgaag gctgcttcaa aatccgactc ttcattaagg caccaaaga 180
ccacctgcac ccctcgctcc tccaagtgtc ggatcagact cttcctcatg atcagccatt 240
tcgaaaccac agccaataac tgggttcagg caagagcagg aaaatgggga aataggctct 300
nttgatgatn ttggggcagg aagcagaaga agaacttctc agggattggg gatgaagggc 360
agcagcccag ggtagtaggg aaagcagcac ccaga 395

<210> 857
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R84421

<220>
<221> unsure
<222> (1)..(392)
<223> n = a or c or g or t

<400> 857
acaaagagaa aattttatatt tcttattctt gaaatgactg tacgattttt caatgttaaa 60
gttcactttc aagtatgatc aataacaaga catcaaagt aaaaattatg ctgtattatc 120
attttctcca ttgcttctta aaccactgaa agtaatttca caattcacca catttaggca 180
tcttcttttt cactttcttc attttttact tctttaggca acaatggatc aatcttcagt 240
aataaacctt cacttggtga actacgaagg aaagcacgta ccacaanggg acccaaattc 300
aggcgggtct gtgcctacaa acttcattaa taactgcttg cggattgggc agctatctgg 360
gtcacttgac atatccaatg ttggctatatt tg 392

<210> 858
 <211> 476
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R84968

<220>
 <221> unsure
 <222> (1)..(476)
 <223> n = a or c or g or t

<400> 858
 aaataaaaaac agtaagcaaa taacactgtg ggcagcatac agaggtggca aacaaataaa 60
 gtcttgggtt actaagagga accaggggtga agagtccagt ctggatgcag tgggttggtg 120
 ggcagcggca aatctcgtca ggggctaagc tgcagtagcg gacccctgag agcccacctg 180
 ggggtgcagc ctggccccgg gcctgggagt tggggctgcc gntttccatg ctgggggtcct 240
 gctgggtcca atggggcacc tgccctctgg cccagctcat tgggtgaagc atcagatgag 300
 gcgaggtggt tccagcccc taaaccaggg tgatgagggt tcagcgacct tcggagccan 360
 gccagggtn agtttttggg atgccccagg gttcctnaaa caggntcccn gtccccagtt 420
 tttcttttgg aacaagcntg ctggggtnct cccggmataa gtgaatcaga gttttt 476

<210> 859
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R85291

<220>
 <221> unsure
 <222> (1)..(412)
 <223> n = a or c or g or t

<400> 859
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 ttttatactg ggcttgccaa aaacccgaac agctttctac tttgacaatg taccagaatt 120
 taaatcagca atatgttaat aagccaagca aagggtatat atgcaaataa aactgttgct 180
 tataacctcc tgttacactg gggcacagca aaagtcattg ngtagtcgca tgtgaacctg 240
 tccctttcat aggctgctca ttgccgggga acatcaggga atagccattt gggaaggggt 300
 catcagccct cccancatcc gttttctgtc ttgtcttttc cctatgaggc agggggnaat 360
 tccnccgttg ggccccaatc cccagtgcag gnggctcagc ctntggcctt tg 412

<210> 860
 <211> 380
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R88209

<220>
 <221> unsure
 <222> (1)..(380)
 <223> n = a or c or g or t

<400> 860
 acatcagtca gaaaattcca gaaaatggaa agtactccat catacagcaa agtaaatcaa 60
 tgggtgtttg aagagcagag agaaaaactt tataaaggct ccaagtaaat acaaagggtga 120

tagattagat aaattcatta tggngactct gatgatggtt tcacgggatt ataataaaaat 180
tcaagactta tcctacagct caaatatgtg tactttattg gatgtcattt atatctttat 240
tttattttta agatggggtc tcactctatc acccgggctg gactgcagcg ttgcaatcct 300
aggctcactg caacctccgn ctcccgggnt caagcaatcc tcccacatca ctaaggncca 360
gggtacatgc cncctnccg 380

<210> 861
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R89291

<220>
<221> unsure
<222> (1)..(415)
<223> n = a or c or g or t

<400> 861
atggagtctc actctgtcac ctaggctgga gtgcaatggc atgggtctcca ctactgcaa 60
cctccacctc ccaagtataa gtgattctcc cacctcagcc tcccaagtag ttgggactac 120
aggcacgtgc caccacacct ggctaatttt tgtattttta gtaaagatgg ggtttacta 180
tggtggccag gctggtcaca aactttgccc actttttaat gggattatct gttttattcc 240
tggtgagttc tctgtatatt atagatatta gtcccttggt gggataaatg gtttgcaa 300
attttcttcc acttaacagg gttgtatggg gatagggatt ttttaaaaaa ggagctaccn 360
actgtgaagg ggtaatatct cttaccttaa agggggccaca tagggcctnt ttatc 415

<210> 862
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R89840

<220>
<221> unsure
<222> (1)..(379)
<223> n = a or c or g or t

<400> 862
ttaaatttta ttatagtaac aaagtgacta tttttaataa taaaagcaga gtgcctgtag 60
gaagtggatg gccctatctc aggccaagtc tccttagtgt ttcagaccta ggctgaccag 120
aatagtcttc tagaatgtaa catttatcca ccaggngtca ttatttacca atctgacaag 180
ccactgggct gtctccgngc attcaatggg tggaatcaag gctacagacc agantaggag 240
atgaatgaaa ntagatttag aaaagggcgt tgtggctgga atgcagcttg cagtgtggga 300
gggcagggnt gggagggtaa agagggctct ttgaaagncc agtntcactt tcctgatcca 360
agtttcttaa gctgatact 379

<210> 863
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R91484

<220>
<221> unsure
<222> (1)..(378)
<223> n = a or c or g or t

<400> 863
tcaaattgtca gattttcttta ttaaaaatgtg cacattatag tttactttaa tacaaaatgt 60
tcacttttcct tgcaggtaag aaatttcact gacatttcca tgtcaattag cttcttttta 120
ataaaaaatcc ttccactgaa aataaatang catttaantt actgaactat tatattcatt 180
agtctcaata cctcttaaaa tactttaaac ttgngaaaat agactctaaa catngcctaa 240
nggngggcat ccagctctga ggcaggccac acaagggtgtg tctgaggtat gggccatatg 300
actccggggg ggccacctcc acggacgggc ccagcccccac cgacggntct gctggaaaaat 360
cccggccctt caggcggg 378

<210> 864
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R92737

<220>
<221> unsure
<222> (1) .. (357)
<223> n = a or c or g or t

<400> 864
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ctaaagtggg gtctcccatc ccggatccct aagactgtaa catctgctac atacattaaa 120
ancaaaaaca aacaaaagca aacatgaaac ttatgacctg acttcactcc acccttcattg 180
cctgcattat gacagaaaca cgtccactg ctctactta tgtatgtaca tccagaggct 240
ccaaacctaa ggctgtgggc cccctcctcc caggcccccac acacacacac ccctggcaca 300
cacatggcac acacatggca cacacatggc acacacacac atacctggct ggcccat 357

<210> 865
<211> 223
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R93908

<220>
<221> unsure
<222> (1) .. (223)
<223> n = a or c or g or t

<400> 865
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caggntcatg catgtctttt ctttcattca agtcttattt tatatctttc agtaaatattt 120
catatagatc ttgtgaatcg aattattttt acatttcaaa ttcaactaac aattattaat 180
aganaatgaa aacattgatt tttttcaata tttattttgt gtc 223

<210> 866
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R96924

<220>
<221> unsure
<222> (1) .. (334)
<223> n = a or c or g or t

<400> 866
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 catttttctcc tcaggaaggc ggtctgaaat ggagtgggct gtgtttggca agggttgtag 120
 tgggtttggaa tctctcacct gcttggtccc cgagctgggc ctcaggctgn tctccccaga 180
 gtaaagtccc gggatcattg aggaagcgtt ggctgcgctg ggcattgtag ggcaggctctg 240
 tacgggtccag cgctgtcccc tgcagcgtct ctgggcgctg ggggtgcaggt naggcccnng 300
 acgaggaggg aagagcagcc tcgacagaga gtcc 334

<210> 867
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R98442

<220>
 <221> unsure
 <222> (1)..(510)
 <223> n = a or c or g or t

<400> 867
 gtactcatta atccccctct caatttttaa cagaattata aaagcaaagt caaaaggctcc 60
 ttccaggatga ctgggaggct tcctaggcta acttttgcac ttgaaaatgg aaaaaataaa 120
 ttacttgata tttgtgataa gactaagatt tottaaaagt ctgcacatca atatattacc 180
 tgggcttagg aggggtgaggg cacagtatcc atctgcaccc tctcctcgta ttttttaaaa 240
 acaggcaaaa tatgtaagaa aaggctgggtg cacgttggaa gacagagcgt gcctgtctat 300
 gccagtgcctg ctgtgccctg cagcctgggn aggatgggag tcggatgctg gggcctcatg 360
 nccacttagg gccataaaca tactcaagac tctacagccc tttcaccagc aaagtatgnc 420
 ctgaggggaa ccactgggtg ttgggagttg aaggcacaca aagcaggggc taaagggcaa 480
 ttgggggtttc acggtgcagg cgccttgagg 510

<210> 868
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R99092

<220>
 <221> unsure
 <222> (1)..(386)
 <223> n = a or c or g or t

<400> 868
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 gccacacttg gcttcccaaa gtccataggat tacaggcctg agctactgcg cccaacccat 120
 ttattttattn ctgttttagt tgcatttgct ttaggagtct tagccatgaa ttctttgcct 180
 aggccaatgt ccagaggagt ttctcctagg ttatattcta gaatttttat ggtttcagg 240
 cttaggttta agtcttttat ccatcttgag tttatttttg tgtaaagtga gagacaggg 300
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 ggtgtccttg cctcaattta tgggtt 386

<210> 869
 <211> 691
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. S45630

<400> 869

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gttgagagtct gatcttttcc cgacgtctac ttccctgagt cctttctacc ttcggccacc 180
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gggtgttgga gatgtgattg aggtgcatgg aaaacatgaa gagcgccagg atgaacatgg 360
tttcatctcc agggagttcc acaggaaata cggatccca gctgatgtag accctctcac 420
cattacttca tccctgtcat ctgatgggtt cctcactgtg aatggaccaa ggaaacaggt 480
ctctggccct gagcgacca ttcccatcac cgtgaagag aagcctgctg tcaccgcagc 540
ccccaaagaaa tagatgccct ttcttgaatt gcatttttta aaacaagaaa gtttcccac 600
cagtgaatga aagtcttggt actagtgtg aagcttatta atgctaaggg caggcccaaa 660
ttatcaagct aataaaatat cattcagcaa c 691
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<210> 870

<211> 1398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S59049

<400> 870

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ctaaccacaaa ggaattgaaa ggaaccactc attcacttct agacgacaaa atgcaaaaaa 180
ggaggccaaa gacttttgga atggatatga aagcatatct gagatctatg atcccacatc 240
tggaatctgg aatgaaatct tccaagtcca aggatgtact ttctgctgct gaagtaatgc 300
aatggtctca atctctggaa aaacttcttg ccaaccaaac tgggtcaaat gtctttggaa 360
gtttcctaaa gtctgaattc agtgaggaga atattgagtt ctggctggct tgtgaagact 420
ataagaaaac agagtctgat cttttgccct gttaaagcaga agagatatat aaagcatttg 480
tgcattcaga tgctgctaaa caaatcaata ttgacttccg cactcgagaa tctacagcca 540
agaagattaa agcaccaacc cccacgtgtt ttgatgaagc acaaaaagtc atatatactc 600
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atgacctgca ggctaatagc ctaaagtgc tgggtccctgg ctgaaggga ttaacagata 720
gtatcaaggc acgaaggaat gtgccagtat ggctccctgg gtgaacagct tggccttttt 780
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tggtgctaata aataaatgtg gattttgtat taaaatatat agaagcaatt tctgtttaca 1320
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<210> 871

<211> 1644

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S75463

<400> 871

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gcgcgcgacg cccacttca gcggtctcgc cgccggccgg accttccctg tgcagggtct 180
gttgccggctg ctgaaagccc cggcattgcc tctcttgctc cgccggcctg ccgtggaggc 240
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| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|------|
| caagaagact | tacgtgcgcg | acaagccaca | tgtgaatgtg | ggtaccattg | gccatgtgga | 300 |
| ccacgggaag | accacgctga | ctgcagccat | cacgaagatt | ctagctgagg | gaggtggggc | 360 |
| taagttcaag | aagtacgagg | agattgacaa | tgccccggag | gagcgagctc | ggggtatcac | 420 |
| catcaatgcg | gctcatgtgg | agtatagcac | tgcgcgccgc | cactacgccc | acacagactg | 480 |
| cccgggtcat | gcagattatg | ttaagaatat | gatcacaggc | actgcacccc | tcgacggctg | 540 |
| catcctgggtg | gtagcagcca | atgacggccc | catgccccag | acccgagagc | acttattact | 600 |
| ggccagacag | attgggggtg | agcatgtggt | ggtgtatgtg | aacaaggctg | acgctgtcca | 660 |
| ggactctgag | atggtggaac | tggagatccg | ggagctgctc | accgagtttg | gctataaagg | 720 |
| ggaggagacc | ccagtcacgc | taggctctgc | tctctgtgcc | cttgagggtc | gggaccctga | 780 |
| gttaggcctg | aagtctgtgc | agaagctact | ggatgctgtg | gacacttaca | tcccagtgcc | 840 |
| cgcccgggag | ctggagaagc | ctttcctgct | gcctgtggag | gcgggtgtact | ccgtccctgg | 900 |
| ccgtggcacc | gtggtgacag | gtacactaga | gcgtggcatt | ttaaagaagg | gagacgagtg | 960 |
| tgagctccta | ggacatagca | agaacatccg | cactgtgggtg | acaggcattg | agatgttcca | 1020 |
| caagagcctg | gagaggggcg | aggccggaga | taacctcggg | gccctggtcc | gaggcttgaa | 1080 |
| gcgggaggac | ttgcggcggg | gcctggatcat | ggtcaagcca | ggttccatca | agccccacca | 1140 |
| gaaggtggag | gcccaggttt | acatcctcag | caaggaggaa | ggtggccgcc | acaagccctt | 1200 |
| tgtgtcccac | ttcatgcctg | tcatgttctc | cctgacttgg | gacatggcct | gtcggattat | 1260 |
| cctgccccca | gagaaggagc | ttgccatgcc | cggggaggac | ctgaagttca | acctaattctt | 1320 |
| gcggcagcca | atgatcttag | agaaaggcca | gcgtttcacc | ctgcgagatg | gcaaccggac | 1380 |
| tattgacacc | ggtctagtca | ccaacacgct | ggccatgact | gaggaggaga | agaatatcaa | 1440 |
| atgggggtga | gtgtgcagat | ctctgtcagc | ctttccttgc | gtttaaggcc | tgccctagcc | 1500 |
| agggtccct | cctgtctcca | gtaccctctc | atggcatagg | ctgcaaccga | gcagagggca | 1560 |
| gctagatgga | catttccctt | gctcggaagg | gttggcctgc | ctggctgggg | aggtcagttaa | 1620 |
| actttgaata | gtaagccaaa | aaaa | | | | 1644 |

<210> 872

<211> 2469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S77154

<400> 872

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| aggaggagat | tggacagggt | ggactcccca | ttgcttttct | aaaaatcttg | gaaactttgt | 120 |
| ccttcattga | attacgcac | tgtccacctt | taatttcttc | gaaaacgcct | gtaactcggc | 180 |
| tgaagcttca | gtacctttat | ggacaactac | agcacaggct | acgacgtcaa | gccaccttgc | 240 |
| ttgtaccaaa | tgccctgtc | cggacagcag | tcctccatta | aggtagaaga | cattcagatg | 300 |
| cacaactacc | agcaacacag | ccacctgccc | ccccagtctg | aggagatgat | gccgcactcc | 360 |
| gggtcgggtt | actacaagcc | ctcctcgccc | ccgacgccc | ccaccccggg | cttccagggtg | 420 |
| cagcacagcc | ccatgtggga | cgacccggga | tctctccaca | acttccacca | gaactacgtg | 480 |
| gccactacgc | acatgatcga | gcagaggaaa | acgccagtct | cccgcctctc | cctcttctcc | 540 |
| tttaagcaat | cgccccctgg | caccccggtg | tctagtgtgc | agatgcgctt | cgacggggccc | 600 |
| ctgcacgtcc | ccatgaacc | ggagcccgc | ggcagccacc | acgtggtgga | cgggcagacc | 660 |
| ttcgctgtgc | ccaacccct | tcgcaagccc | gcgtccatgg | gcttcccggg | cctgcagatc | 720 |
| ggccacgcgt | ctcagctgct | cgacacgcag | gcgccctcac | cgccgtcgcg | gggtctcccc | 780 |
| tccaacgagg | ggctctgcgc | tgtgtgtggg | gacaacgcgg | cctgccaaca | ctacggcggtg | 840 |
| cgcacctgtg | agggctgcaa | aggcttcttt | aagcgcacag | tgcaaaaaaa | tgcaaaatac | 900 |
| gtgtgttttag | caaataaaaa | ctgcccagtg | gacaagcgtc | gccggaatcg | ctgtcagtac | 960 |
| tgccgatttc | agaagtgcct | ggctgttggg | atggtcaaag | aagtgggtcg | cacagacagt | 1020 |
| ttaaaaggcc | ggagagggtcg | tttgccctcg | aaaccgaaga | gcccacagga | gccctctccc | 1080 |
| ccttcgcccc | cgggtgagtct | gatcagtgcc | ctcgtcaggg | cccatgtcga | ctccaacccg | 1140 |
| gctatgacca | gectggacta | ttccaggttc | caggcgaacc | ctgactatca | aatgagtgga | 1200 |
| gatgacaccc | agcatattcca | gcaattctat | gatctcctga | ctggctccat | ggagatcate | 1260 |
| cggggctggg | cagagaagat | ccctggcttc | gcagacctgc | ccaaagccga | ccaagacctg | 1320 |
| ctttttgaat | cagcttttct | agaactgttt | gtccttcgat | tagcatacag | gtccaaccca | 1380 |
| gtggagggtta | aactcatctt | ttggaatggg | tgggtcttgc | acaggttgca | atgcgttcgt | 1440 |
| ggctttgggg | aatggattga | ttccattggt | gaattctcct | ccaacttgca | gaatatgaac | 1500 |
| atcgacattt | ctgccttctc | ctgcattgct | gccctggcta | tggtcacaga | gagacacggg | 1560 |
| ctcaaggaac | ccaagagagt | ggaagaatc | caaaacaaga | ttgtaaattg | tctcaaagac | 1620 |
| cacgtgactt | tcaacaatgg | ggggttgaac | cgccccaatt | atttgtccaa | actgttgggg | 1680 |


```

aagctcccag aacttcgtac cctttgcaca caggggctac agcgcatttt ctacctgaaa 1740
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<210> 873
 <211> 1223
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. S81914

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<400> 873
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atctttacct tcgacctctc cccggagccc gcagcggccc ctgccgggag ccccgagcggc 180
tctcgcgggc accgaaagcg cagccgcagg gttctctacc ctcgagtggc ccggcgccag 240
ctgccagtcg aggaaccgaa cccagccaaa aggccttctc ttctgctgct caccatcgct 300
ttctgccaga tcctgatggc tgaagagggg gtgcggggcg cctgcctcc agaggacgcc 360
cctaacgccc catccctggc gcccacccct gtgtcccccg tcctcgagcc ctttaatctg 420
acttcggagc cctcggacta cgtcttgga ctcagcactt tcctccagca acacccggcc 480
gccttctaac tgtgactccc cgcactcccc aaaaagaatc cgaaaaacca caaagaaaca 540
ccaggcgtag ctggtgcgag agagcgtatc cccaactggg acttccgagg caacttgaac 600
tcagaacact acagcggaga cgcaccccgg tgcttgaggc gggaccgagg cgcacagaga 660
ccgaggcgca tagagaccga gcacagccca gctgggctag gcccggtggg aaggagagcg 720
tcgttaattt atttcttatt gctcctaatt aatatttata tgtatttatg tacgtcctcc 780
taggtgatga gatgtgtacg taatatattt ttttaacttat gcaagggtgt gagatgttcc 840
ccctgctgta aatgcaggtc tcttggtatt tattgagctt tgtgggactg gtggaagcag 900
gacacctgga actgcggcaa agtaggagaa gaaatgggga ggactcgggt gggggaggag 960
gtcccggctg ggatgaagtc tgggtggtgg tcgtaagttt aggaggtgac tgcacccctc 1020
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ccgtgagatc cttccatctt cttgaagtcg cctttagggt ggctgcgagg tagaggggtg 1140
ggggttgggt ggetgtcacg gagcgactgt cgagatcgcc tagtatgttc tgtgaacaca 1200
aataaaattg atttactgtc tgc

```

<210> 874
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T03229

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<400> 874
ggtagatctt gtggcattct ctgtatttcc tgaatctgaa tgttgtcctg ccttgctaga 60
ttgggggaagt tctcctggat aatatcctgc agagtgtttt ccagctcggt tccattctgc 120
ccatcacttt caggtacacc aatcagacgt agatttggtc ttctctcata gtcccatatt 180
tcttgagggc tttattcggt tcttggtatc cttttttcct ctaaaacttt tccttctcac 240
ttcaatttca atttaatttc aaccttcaaa tcaactgata cccctttctt

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<210> 875

<211> 253
 <212> DNA
 <213> Homo sapiens
 <220>
 <223> Genbank Accession No. T03593

<220>
 <221> unsure
 <222> (1)..(253)
 <223> n = a or c or g or t

<400> 875
 cgngcaaaaag tgtttatattt tctccttcag atatacantc tattggggnt tccgtgccac 60
 tgaccaccat gtacaaggaa gggnttcaca ggcaaggggg acaggtgagg gcagccccca 120
 cttcactcaa ggaacagggc aagggggccc agtacagaga acagaaatct cttacgacag 180
 catcgtgccc tggcaganga ttctgcatan tcacctagaa atttcaattc taactgnttt 240
 gatggaataa tag 253

<210> 876
 <211> 71
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T10695

<400> 876
 tttttttttc agctgggcta caggtttatt ctggcactgg aggtgaaagg gggctggtgt 60
 ggccagcacc g 71

<210> 877
 <211> 255
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T15409

<220>
 <221> unsure
 <222> (1)..(255)
 <223> n = a or c or g or t

<400> 877
 ttttattgaa agttgaaaag tgaacagtta aataagtgc accttaaaat tgtgtagcga 60
 aatgacagaa aatatgcata taactactat acaggtgcta tgcagaaacc cctactggga 120
 aatccatttn atnngttcga actgcggtt tttnaacgta ttcaaccagc tgaattgaac 180
 gatttcagtg nacacggatt tacttttagcg tattcagcag ctagatttca gcttccacan 240
 ngtgcgtnac tgtgc 255

<210> 878
 <211> 268
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T15423

<220>
 <221> unsure
 <222> (1)..(268)

<223> n = a or c or g or t

<400> 878

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tttattttcat tatcagttctt acagggttgct gaggttgggc aaagccaggg tagtaactta 60
aatccaaagc actttttgtgg agggacaacc cgttttagcaa ggccctgtta ctgaacagag 120
ggcagtgggg ggcacccagc ggaccacagc acacagacta gtgttagaaa ccccttccca 180
gaagcaaccg gtgggacttg gcccttacca gccaggggtc tactccattg ggtcttgggg 240
cccaccaacc cctnttagag gnggnccc 268
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<210> 879

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T15530

<220>

<221> unsure

<222> (1) .. (537)

<223> n = a or c or g or t

<400> 879

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ggattcccaa aaagcaatga cttcaattgt taaaaagaaa aaaagtatat gntgttttcc 60
aaagcaggac atacttccca aatacagttt caattcctcc actatctaaa gagaggcgcc 120
tattagagcg cttcataata ccccgagtc ctcgtgaaca cactccaggt ggaaaattct 180
gctgtgatga tgtgctaaaa aataccctat aactcaaata ttacacaata atcaacacta 240
attaataagg taattctacg cctatgatca caaacaggt gaaaggnaaa cccagatgac 300
tttattccca gtttagagct caatcattat cccaaccaaa ctctctccag aagaaaattt 360
ccacacagcc tataaggggc actaaaatac tttcccatcc ttcacagtca ggcagcaaag 420
caagcccacc tgtaaatTTT ttcaaaagct gttgantgtg gaatttttagc tcaaattgta 480
tgctgggcac ctcagttcct gtttttccag gtcccgggtt tggncaatTT ttgtttt 537
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<210> 880

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T15850

<220>

<221> unsure

<222> (1) .. (246)

<223> n = a or c or g or t

<400> 880

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aggaggggtg cgtttattag acaaacgctg ggagacaggc ctggtgggga cctggctggg 60
ggatgatgca gcccgcaatg gctgctgctt cgtacttggc ttgccccgga ccacagactc 120
gtaacggtaa cccctaactt ttcaggggac tggnacccgc cctgccagg gtccacacgc 180
agagttatgg cgggnccacc cccacagggt cagctctatc tcccacctnt tgcacagaga 240
tataag 246
```

<210> 881

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T16282

<220>

<221> unsure
 <222> (1)..(311)
 <223> n = a or c or g or t

<400> 881
 aagctcagag tgacttttaa tatgccaatc aatgttaata aaacacaagt caaagacaag 60
 tgcaaacatg ttttagacca aaattaatga gaaaacagac aatttttttc aacatctgtt 120
 agccagtatt attagtcaaa tggctaatac cagataaaat atattttgtg aaaaacttgg 180
 aatgtcagan gtcattctgg catttcaaac agctatgtac agtatcacga agatcgggtt 240
 atatacacia atattgaaga gaaaaaccgg gcaaacatt taaaaacaga ctaataatac 300
 aatcaagtat a 311

<210> 882
 <211> 240
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T16556

<400> 882
 aaggtgatta tttttattga tacttacata ttaggagtta aaacaaattt aaaacatacg 60
 agtactgtac acgcaagcat gcatccccctg agtctgagtg aggctgtcac tctagcatct 120
 ggaatgctcc gttgtatatt caggagggga cagtgaaaaa gacaaataat aatgtctttg 180
 tattatgaaa agttttgatc tcatagatct cctgaaagtc tcaggtatcc cccggggggtc 240

<210> 883
 <211> 250
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T17428

<220>
 <221> unsure
 <222> (1)..(250)
 <223> n = a or c or g or t

<400> 883
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 gccacggccc tagaaactgc atctttgttc agagccaacc catttcctct gcagccacaa 120
 aatgcctttg tgtntcaggg ctccggagat tctcctcgnt ggccagccat tggcaagaat 180
 gccagactca gaggttgcca ttgcccacag gctttntnct cctttccttt cacagcagga 240
 agagccctcc 250

<210> 884
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T23468

<400> 884
 ttgccaatt atctccatgt ttattttaaatt atttggctct aaaggaagca atcattcctt 60
 tatacttctt taaatttagt attgacattt ttatttttgg aaaggagggtc tttttttttt 120
 ttaacatgga tacaggaaaa gaaaactctc caataaaaaat attgtctaaa aagtttgttt 180
 tggctgcatt atttactaaa tatgtacaat ttcaattcac agcgaaggta acaaagattt 240
 aaacagccaa catcacaatt gtctcaagtt ctaaaaaaaaa atcactgtgc acagtttaac 300
 aatttaatt 309

<210> 885
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T23490

<220>
 <221> unsure
 <222> (1) .. (299)
 <223> n = a or c or g or t

<400> 885
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 ggagacaggt gtgctggagt ctgggtcactt tggggcccgg cgtgggcaga gccactggg 120
 ttacattct ctgtgggcag gtgtggacac cagagggctg gggcaggagg agcgtgggag 180
 cgagcggncg acccccgtct ctggcccggc ccctgggtaa acgccgactc agatgcctga 240
 aacagacctg ggccgagcaa ggaagggtga tggatatttc acccagacag aaattcaaa 299

<210> 886
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T23622

<400> 886
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 catgagtaaa cagagatggc cgggtgggtaa atatcttgcc aaggtgggtc cttgtattaa 180
 gctttttgag tctaagatga caaatcccta ggggtcaggt ggtttttccc gcacgaactc 240
 ttgtcaatga gaaatccctc agcccccttt gtcttgggtc tcacagctcc agaaggtga 299

<210> 887
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T23935

<400> 887
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 tgacacatca aaatgagaaa tgcacagttt aaccgttcaa cagctggcct tacttcaaaa 120
 gaacactata ttcataattaa acattttacag tctttccatc taactttaca catgtcctaa 180
 atcattttcc agcactttctc acatagaagt ctagttttgc tctttaaaat caccatctgt 240
 atcaccccta gtagacgoga ggggtttcccc aattacatgc tgaagagagc cagccaccac 300
 cccaccta 309

<210> 888
 <211> 128
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T25732

<220>
 <221> unsure

<222> (1)..(128)

<223> n = a or c or g or t

<400> 888

ctggccttttc ctttcttctt atttttattg ctcccaaagt tccactcatc gtcactgtca 60
gacgtctccg agtctgacga ggctgcaggc tgactcacag gcnnctcctt cnnctcagag 120
tcactgcg 128

<210> 889

<211> 207

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T32113

<220>

<221> unsure

<222> (1)..(207)

<223> n = a or c or g or t

<400> 889

ctggacagcg ggcagcacca ggcggcggac agtgtcttcc ttctgcagga gcagcgcgng 60
gctctccacc acctcctctc catccttggg ccagcgcacc tntgcccagg gccggcatag 120
ctcacaggtc agcaccacac gctccaggcg cacggctgcc acatacacct tgccgctggg 180
atacacgatc cacgaggaga cgtctgt 207

<210> 890

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T33263

<220>

<221> unsure

<222> (1)..(308)

<223> n = a or c or g or t

<400> 890

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cttgaagggtt ggtgagaggc cgctgaatga gacccagcct cgtgttttgt gggatgaaga 180
gatgcagaca aagtgactca ggtacactga tgctccctgg agggctggga ggtgggctca 240
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ttaaaga 308

<210> 891

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T40327

<400> 891

agaaacctca agtcccaaa cagcacgttg cgggaaagag gaagagagag tgtgagtgtg 60
tgtgtgtgtt ttttctattg aacacctgta gagtgtgtgt gtgtgttttc tattgaacac 120
ctatagagag agtgtgtgtg ttttctattg aacatctata tagagagagt gtgtgagtgt 180
gtgttttcta ttgaacacct attcagagac ctggactgaa ttttctgagt ctgaaataaa 240
agatgcagag ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa 280

<210> 892
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T40895

<400> 892
 taatggtagc tatcaattta ttaactgggt actgcggcaa tatatataat tataaaatca 60
 ccatcaatcc ttctattcat acgttaacac atatcactgg tttaattcat tgaaggcaaa 120
 tacaagtttt tcccttactt tccttccaag attccactta ggctgggttac cccaaacgta 180
 atggagaaac attaaatgtc actttttaac cactttttaa ccagtcttta attttcaatt 240
 caggtgtgag gcacatatat acacacaaac a 271

<210> 893
 <211> 343
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T40995

<400> 893
 taatgggttaa ggaggaaggt ttattggctt caattcccca gttgatgttc aacactttat 60
 ttagttctca ttggattttt aaacatttgc ttgacaaata atttcccatc aatttccatt 120
 tctttggaaa gctcccacgt gtaatttatt tttaacatct ctgaagagca gaattaatga 180
 tatttcctag ctgttgctcc agatcatgta gggtagagga ggctgaaaac tgctacaagg 240
 gaaggcatct gtattgtttc aaaacgtcag gacggtagcg gatactcttt ccagagcgac 300
 gaggggtcaaa tcccttcatt tatttttttc aaaagggtaa aac 343

<210> 894
 <211> 351
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T49061

<220>
 <221> unsure
 <222> (1)..(351)
 <223> n = a or c or g or t

<400> 894
 ggaccaaaga actttatatt tatttttaaat atcaaagtaa cacaaagaac tagttcaata 60
 tacagtacac ttctactctt tcacagagaa ctgaaatttt ctataaagac atttatactt 120
 aggaaacatc agacaaccaa agtatgtata aaactcacaa gatattttac acacagttca 180
 caataattaa ttctgatatt ttaggnnttt tctgtcattg cttttaaaagc atccttaatt 240
 taaaaacaaa aattattatt tgaggactgg aaaacagggt gcaaaggcat ttctactttt 300
 aattatacac tggtaaatcc ccccttaatc caaaacattt tacttncaca t 351

<210> 895
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T49291

<220>

<221> unsure
 <222> (1)..(271)
 <223> n = a or c or g or t

<400> 895
 tgagaataat cagggagctt tattatacaa aatggcgggg tggggggcgg caanagcggg 60
 ggacgagcat caagcatcct gcatggccgt tatcagccct tgacctgcag tttccccttg 120
 gatctggggg ggtgaccacc ctctctgcac aggctgtncct caacctccta acttcctaga 180
 aggcaacttg cctctccagg gggtaagtcc ctttggccaa tgatcaggag tttctttcct 240
 cccccaagta acaagaagcg gttgngttg g 271

<210> 896
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T49602

<220>
 <221> unsure
 <222> (1)..(423)
 <223> n = a or c or g or t

<400> 896
 tgaatattca agaaaggtga agtttaattt gcatataggc ataacctaca cctcacttgg 60
 caagtgttag gccacagcac aaacccctct gtccaatcac aaatgtccac aaatttgcaa 120
 agtaactgga cacgaacgat atgctttctca aactcacaca catattcgtc catcacacac 180
 aactcaaat gataaagaan tacattgaaa tcctctacaa aagagatctg aggacagtan 240
 tcagatgacc tcatgtgagg acagcctntt gcagtttaca gtctaatacca tttggtcctc 300
 acantagccc tgtgaggata agcagcacag ggattactnt tcacaccgtt ttgcaggatg 360
 agggaaactg aggctcaggg gatgtgtaaa caccagccta aggttttcca gttgggagac 420
 tgg 423

<210> 897
 <211> 413
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T50387

<220>
 <221> unsure
 <222> (1)..(413)
 <223> n = a or c or g or t

<400> 897
 ttttttttgg tagaaatggg gggctctcact atgtggtcca ggatggtctc aaactcctgg 60
 gctcaagcaa tcctcctgcc ttagccttcc aaagtgtctg gattatagga ataagccacc 120
 gcacctggca ttctctggcct ctcttatttt atttaccttc caggagggtg tagacataac 180
 tgattaataa aatctgaaag antttatctg gcttagcaac tttctcctct tgcgggcagg 240
 aactatccaa aagagtacat actcaatcca ccagtgaaga tggacagggt atcttcatgt 300
 aggcaggcca aacatttccc atctcattct attaactttt tttttttttt tttttgagcc 360
 agagtctcac tctgtcgcgc tgggctggga gtgcagtggg ngcgatctcg gat 413

<210> 898
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. T53404

<400> 898

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ctgtagcaat gaaaattttt aatttgaata aaaatcacgt aagcatgagg ttgttgggga 60
acacggaaag gaagggtctca gattaggggg tgtagcacat ttatcaggag gtaagatctc 120
catagtctcc taccctctct ggcttggcct tttactgttg tatccagcct ctgggaagac 180
cttgtatgga cagtatctcc actggggcta tcactagggtg accaggtagg ggacagagta 240
gagcagccaa tgaccttaac tcaaaatctt ttctctccct tcaacctgtg aaaaaagatg 300
actgggcaca tactcagatg tcccttgggc atagcaccat cttgttggcc agtcacaaac 360
accagctctt agttaagagg gcctggggtt aaactcgtgc cgat 404
```

<210> 899

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T53590

<220>

<221> unsure

<222> (1)..(309)

<223> n = a or c or g or t

<400> 899

```
ttnggtatgt ggttcagctn tttattntct ccatgggggtg ggtgaagagg agtggcccag 60
ctgagctgag gaagggtgacc actgagaacc cattcaacct gctgagcagc ttgggcagaa 120
aggagcagga cttgggacag acgactgaag atgcagagac cccatggggc ccaccctgg 180
gccttctctc catntggctg caggcatcct ntntnatcan tgctggggtg cttcctggtt 240
aaagggccan aaggtnaagg agatgggnnt ttcangcatc agaatgaggt tnaatttggt 300
gccacatc 309
```

<210> 900

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T54613

<220>

<221> unsure

<222> (1)..(457)

<223> n = a or c or g or t

<400> 900

```
gggctccaga ccgcatttat tcacctccaa agagggtctgc agaccaaggg caccaccggg 60
ctccctccgc tggcagggct gcatgccggg agccgtggtc acattagaag gtccgggagc 120
gcagccaagg ggnctgtgtc agcggccgtg gacagagtgc agcgggcaag tctactgagcc 180
tcagtttctc catctagaaa accgctgcgg ctgtgcggac tgcatggcac gcagtgggct 240
ctcaggcgtg attgtctatc cctctggcct ggccggaggga ggcctagagt cctgaccttc 300
accngacccc gccaacgtgg catcttgctt accngccttc gggaggcaga aagggggcag 360
cgaattagca agccgaagca ttgnacaatt nggccttna gggggccttg ggcttnccgc 420
tttaaccngg cgaaccccn agtttggccg acgaana 457
```

<210> 901

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T54617

<220>
 <221> unsure
 <222> (1)..(453)
 <223> n = a or c or g or t

<400> 901
 ttgagactt tgnctgtctc tgtcgccagg ctggagtgca gtgggtgaca gggtgagact 60
 ctgtctaaaa aaaacaaaat aaaacatgat gtttaataag tgctttcttg atataatctc 120
 actgtaggaa tgccatgttt cgctggtgca cacactatca cagcacagtg attaccaagg 180
 aaatggagat ccagaattac tttattgtta tgatcctgta atcaaaaataa agtaaaaact 240
 ggggcttcag gccttgccctg gggacctgta ttttcaactaa aagctgctac tggcatagac 300
 aatgatcagt catcacactc tatgttaaca aacacagcac acacagcttg ctgtntttct 360
 tgaggccgcc cccagcaggg cccaggggcc aaggcctgtg ctggttacca agggcaggag 420
 ggacggatgg cttgctngac canagggnt tga 453

<210> 902
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T56281

<220>
 <221> unsure
 <222> (1)..(470)
 <223> n = a or c or g or t

<400> 902
 caggtnatn ttntttaatt atcactcaca tatttcacag gaaaaggant ntagcaaattg 60
 ggtcaagggtg gtntaaaaaa aaaatccagg tttntacatg tctctctgtt tacatctggg 120
 agaaaggtn tcctggcatc agtcgcagca gctgcacttc tctgacgcc ctttgcaaac 180
 acagccctgg gcacacttgc tacagccac ggggaggcag gagcagcagc tnttnttgca 240
 ggagggtgca tttgcnctct ttgcaacttg agggaaccag cgcagggtgc agggagacac 300
 cagcggggcg agggagcagt tgggggggnc catttgcaagc ccgagggaga gactgggact 360
 tttcccaagg agagaagcga aggaagccag tggggggcag ctctgccccg anttccttca 420
 gccccggggg gntcccccta gttctaggag cggnccccac cgggtgggat 470

<210> 903
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T62857

<220>
 <221> unsure
 <222> (1)..(439)
 <223> n = a or c or g or t

<400> 903
 caatctnaaa aaaatatattt cattatgttt attataaaaa tataaatgtt tccactacaa 60
 atcattttac attagtaaga ggccatctac attgtacaac ataaactgag taatatatttg 120
 aaaagacaag tttaaagtaa acacatatat ccaatcata cacaattata catggcttga 180
 ttgatattta gcacagcata aactgagtga gttaccagaa ataaataata tatgtaaattc 240
 aaatttaaga taacaaacag ntcatatggg tacataacat catgtaggga gttgtggcct 300
 ttatgtttac tgaaagtcaa tgcagttccc tgtaccaaag ggatggccgt aggcattcta 360
 ggtacctct nctccctggg ttaggggaatc cgtacactta tggtttacca tatggtcagg 420
 gggtaggan ttgtggtaa 439

<210> 904
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T62873

<220>
 <221> unsure
 <222> (1)..(450)
 <223> n = a or c or g or t

<400> 904
 ttttttnacga gacagagctc agttctgtcg cccagactgg aatgcagtgg tatgatcttg 60
 gctcactgca gcctcgactt ctcggttaca agcaattctc ccacctcagc ccctggngta 120
 gctgggacta caggagtata ccaccatgcc caactcgttt ttatatTTTT atagaaatgg 180
 tntctcacca tattaccag gctggtctca aactcctggg ctcaagcgat ccactctgcct 240
 gccttggtct cccaaagtgc tgggnttaca ggtgtgatcc tctgagtctg gccaatTTTT 300
 atttaaagat attttttaaa ttggactgga cgcgggtggc catgcctggg aattaatccc 360
 agcaactttg gggaggccaa ggcgggatgg ctttagacca gcctggggta acatggggcaa 420
 gaccccntct ctaaaaaaacc aaaanaaggg 450

<210> 905
 <211> 237
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T62918

<220>
 <221> unsure
 <222> (1)..(237)
 <223> n = a or c or g or t

<400> 905
 tttttttaag aatcttctgg gcctctttat taagagccct ctgccttncc aggggagggga 60
 agcaaactct tcaggggccc cagagttcct gcaccccata tcatgggtga gnctaccagc 120
 cacagagcca ccgctcaccg tggagaggct taagntgcac tcagagctcc ccccgggcat 180
 gccgaatgta gtgttgatgc agccctgctt cctgagcaaa gtcctgaccg cactctg 237

<210> 906
 <211> 301
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T64211

<220>
 <221> unsure
 <222> (1)..(301)
 <223> n = a or c or g or t

<400> 906
 ttttttnntt tgtggatttt ctttttaatg caaatgttg caatacaaaa caatgtggag 60
 aaagcctggt cctcaggcac tgaagggagg agtgaggaag agaggacaga gctggacgtc 120
 tcctcctatt tctccctccc caagtcactc tgaggggaag aacactgctg cctgctccct 180
 gggcctgccg catacaaggt tagagccctg ggtctggggc atccttagcc tgaaatttgt 240
 tgacatgggg caggagagca ggaggaaca ttgagggttt tgactcttcg ggctctaaaa 300
 g 301

<210> 907
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T64223

<220>
 <221> unsure
 <222> (1)..(290)
 <223> n = a or c or g or t

<400> 907
 gaatttnana gcattaagtg cattttatatt tattgtatta gcacataaat tgatgaagcc 60
 acatgggtgaa aatctgtgag aaactgaagg ttttcatttg ttttctgtgc cccactgtat 120
 atcacctttc aaaataatgc tttctgctgg gtccaaactt cacttggagc aaagaaagg 180
 agttaaaagg tttcacttaa agctacttcg ttatgggtgc tactgaaagt aaggtaaaag 240
 caaacagcag taacatgggg actttaantg aggcaagaga agggattcag 290

<210> 908
 <211> 257
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T65802

<220>
 <221> unsure
 <222> (1)..(257)
 <223> n = a or c or g or t

<400> 908
 gtcaaanggt gacaatttta atgactttat caagccttag gacagagatg agagaaacac 60
 ctttccaatg atgcatcaag ttaacgtcta agcaaaagat cagcagagat cagagattgt 120
 tgggtacaca cgtatcttgt gatgtcttct gagaaccaac ttattcctct ttctctgaga 180
 agaacttgac ccctcgcccc ggggctgagt gcttggcagc cacatttgtg ttgagatctt 240
 gattcctgct ctaacta 257

<210> 909
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T67053

<220>
 <221> unsure
 <222> (1)..(445)
 <223> n = a or c or g or t

<400> 909
 ttctggttgt caatgaggat atttattggg gtttcatgag tgcagggaga agggctggat 60
 gacttgggat ggggagagag acccctcccc tgggatccct gcagctccag ggtncctgg 120
 gtnggggttag agttgggaac ctatgaacat tctntagggg ccactntctt ctccacgggtg 180
 ctcccttcat gcgtgacctg gcanctntag cttctgtggg acttccactg ctccgggcgtc 240
 aggctcagggt agctgctggc cgcgtacttn ttggtgctct gtttggaggg ttggtgggtc 300
 tccactccn ccttnacggg gctgccatct gccttcagg gcactntcac agctcccggg 360
 tagaagtcac tgatcagaca cactagtgtg gccttggtgg cttggagctc ctccagaggan 420

ggcgggaaca gagttacagt gggga

445

<210> 910

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T67105

<220>

<221> unsure

<222> (1)..(444)

<223> n = a or c or g or t

<400> 910

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ttancaaaca tttattgatt gcacaatgaa acaatctctc ctttcagata tatacatcag 60
tttactaaaa gagtagatac aaagggtcagg aagtaattac aatgcaatgt gataagttta 120
ataatatagg tttgacagca tacagnggag ggggtgattg ggtttnaggt gatggtggga 180
tattggccag gtaatatattc atggaccaag tgatgacaac ataggggttc acagatggat 240
aagagtcttc caagtnacc agggggaaat atacatgtgt gggtgccaaa acagagtatg 300
gcatttcctg anagtcagan nttnatatac gagtataaag tncaagagaa tgggataagt 360
agctagggag gtaaggccag acaggntagg cnagtcctag gggcctttca ggccatgggn 420
agganaacgt ggggcttcac ccta 444
```

<210> 911

<211> 244

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T68873

<220>

<221> unsure

<222> (1)..(244)

<223> n = a or c or g or t

<400> 911

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nttttttttt ttttcaagtc aaaactgttt tattgtcngt ttacatattt aatagaaaaa 60
ggaatgtagc aaatgctcag gggtgtatga aaaaaaaatc caggtttggt cagggtgctc 120
tggttacatc tgggagcagg gctgtcccca catcaggcac agcagctgca cttctccgac 180
gcccctttgc agacgcagcc ctgggacact tggcacagcc atggnagacc aggagcagca 240
gctc 244
```

<210> 912

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T73433

<220>

<221> unsure

<222> (1)..(346)

<223> n = a or c or g or t

<400> 912

```
gggagaaata accagctatt gttccgcatt caaacagaaa ttcagggtgct tgcattcttc 60
acgtattgtt caaaaatcac aagcatctgt ggaaaaaaac taagggtatta cagacactac 120
acggagggtca tggtcttaca ttcaagacac taaatacaaa cccgangcant gcaaaattgt 180
```

```

atactttaat tttaaaaccc antttttggt ctcaacttga aaagggnaac acttttttgt 240
ttcacaaaca agctgggtcg ggttgggant tctttttggg aacagtaggt cccgcgctaa 300
acactgggtt cttgcctccc caccocntt ctctaaaatn aacca 346

```

```

<210> 913
<211> 475
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T78398

```

```

<220>
<221> unsure
<222> (1)..(475)
<223> n = a or c or g or t

```

```

<400> 913
agtattgggt gtagttttat ctgtcctttt ttatttcctt taatttataa aaaaaaaacc 60
tttaaaactag gcaaaaattac ttctcctttt acaaaaacca cattttcatg ccttctgata 120
actttttctta aaccaaataac atgtcctact tcccttatac actttcgtat gagaattttt 180
tctcttgat ttagtaattt caattatata catttattac aatgttaact tttaggtaac 240
tcttattttt aggtgaaaaa ccttgggagg gtaggccgtt ttaattatgg taccaggatg 300
gcaaagggtcc aggaacaagg ggaccaagcg ggggaggctg ggcctagggt cataggcctt 360
aaaaacttta aatcttaagg gataaagggg nggggggnac ggtggggcct cacggnctgg 420
ttaatcccggt tgggttgggg gaggggagcg tgggggtggg gntcacnggg ggtca 475

```

```

<210> 914
<211> 445
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T79768

```

```

<220>
<221> unsure
<222> (1)..(445)
<223> n = a or c or g or t

```

```

<400> 914
ttttaagaca actacaaact ttcaatattg gaggtagctg cagagatcat ggtaactgac 60
tttttcacag atgaggaatt taaggcccag aggaaggtaa tatcagaatt agtgacctcc 120
gcaccagca cacacacagg acaggggaaa ggggtgggaga gatgcatgca ctgggacctt 180
gggatatagatt caagataccc ttgctggggg aggggtgggc tggccgttag ttctaactca 240
gtcttctcag tgccacctcc agcccctgtg ggtctttatg ggggccaac tctttatcca 300
tctttccttg ggggtgatgg agggcatgtt cgccagcatt aaggatcttc ccagncacag 360
gatggcacgg ccccgggcct tctttgatat tattaggtgg gcttctgggg gntttcttcc 420
ctgccgncct tccacaactc agggc 445

```

```

<210> 915
<211> 398
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T79868

```

```

<220>
<221> unsure
<222> (1)..(398)
<223> n = a or c or g or t

```

<400> 915
 tgagatggga acactgcttt attaggccgg gcagccagga gcagacacac ggctcctcag 60
 tacacattcc cccacccctg cctcggtgct cccactcag ggctgggcat ggagggggca 120
 gcgtaggtct ggaagcgctt gtcnngctg gtgcgtgang ntctcaggga catggtntcc 180
 acggccatct ccagcccggg ctgctgggtt atctccactg ttagtcatt ggccagctgc 240
 agggaggcca gcatggaacg acacacctcg aaggccggct gnagnccacc agntccgcaa 300
 agggacacca ctcatcgagc tgggggaacc ntgagaccag ntggtnccca taggtttggg 360
 atntcaaagg gcacatnctt gctnctgctc ctgggaca 398

<210> 916
 <211> 272
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T82292

<220>
 <221> unsure
 <222> (1)..(272)
 <223> n = a or c or g or t

<400> 916
 ttttttatgt gtaagaagta ctttaatagc tcaaactcag agtcacgtg ctcccaattc 60
 caaagagatt cctaaaagag gcaacttcgg cggtttgaga agccagcgct caccacccn 120
 nnnctctgtg cattgacctt tgggtgctga cttggagaaa agcacaaaaca cgaccagtcc 180
 catnctggct cccgtgggct ntcttctatc tacgcattgt atcgactgca ttagttggac 240
 taagatgatg actcagttaa aggaggagac aa 272

<210> 917
 <211> 408
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T85532

<220>
 <221> unsure
 <222> (1)..(408)
 <223> n = a or c or g or t

<400> 917
 atcgcttgag gccacgagtt caagatgagg ttggcaacat agtaagacct catcactaca 60
 attttttttt ttttaaatta gtgaagtgtg gtactgcaca cccgaagtcc cagctacttg 120
 ggaggctgag gcaggaggat tgcttaagcc cagaaatttg aggctgcagt gagccatgat 180
 tgcaccacta tgctccagag tctaggcaac agagtgcagc cttatctctt taaaacaaac 240
 aagaatgaag ttaggtatct gtttatttgt ttgagccatt tgtatttcct tttttgtagg 300
 actgtcctgt ttnaaacgtt aaaatcactg ctgtngggtt tngattttta catctcagct 360
 gggatgggca ccaattaaat tatttnnaggc cctgggtttat tgnaaaaat 408

<210> 918
 <211> 500
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T86121

<220>
 <221> unsure

<222> (1)..(500)

<223> n = a or c or g or t

<400> 918

```
tttaccaggc ccaaactaaa cattcacata ctctctcttt gagaagcaat gtgtgaaaac 60
actaccaccc attaatgtga ggctaatagcc atttcagtgg ctttctggat aatggagtaa 120
cggaaacaga tttgtactga gccagacact ctctattccc cttggtgcaa accctaaaaa 180
agacatgtat attctggcca gggactgggg cattctctta gggaagccaa gcagactaca 240
cctgtaacaa tacatacatg ctccaaccac atagggcaac ctaactacag aaatgactgg 300
gcagcaaaat actagcttca tgcccacttt gtatctactt ggatctttta tgggctcaac 360
cccggggagt tgacctcttt tagggggagg ccttctaatt ttttcacaa canctttctn 420
aatacacaca ggnttacanc tttcaaccat gctctctgat ggaggttagg tggctctcca 480
aaaacacata ttggtttacc                                     500
```

<210> 919

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T86148

<220>

<221> unsure

<222> (1)..(459)

<223> n = a or c or g or t

<400> 919

```
atttttatat gaagggttttc tgggtgaaatc ttttaagcag ggaggaaaat ccaataaatt 60
tttttaaaaa ggttttagcta ttccccaatg ctatttaata caattgaggt taggacgtta 120
agtcttatca gactgtgtac tggagccccg tgtcatcagc aaaagccgtg tgagtcaaca 180
ggtgtgaaga ctcaagatgc gcacacagac gctgtccgtg gttttatggg gaatgatgag 240
ggctggtcag ttctcctcat gacaaaagtc aaaccgactt ccctgtgttg cgtgtgaagc 300
ttgttagtgg acagaggagg aaacgcaggg ttctgccttg gggagnatga cagnccacag 360
cgcttggggg nccgtcaggg ctttcgtgtn cagtttagcgt ttcacaaact ngaggaggag 420
tattaaaana gcccaaacc caaagtttct ttttttcaa                                     459
```

<210> 920

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T87533

<220>

<221> unsure

<222> (1)..(375)

<223> n = a or c or g or t

<400> 920

```
ttggcattat aaaatgggtt tattaattat taataactat ttaatgtgta cacagttatc 60
catgaagaaa taggaaatac cagtgagttg ttaccagcgt tgccccaggc tgggagagcc 120
cttcagctt tcctttggcc tctgacacct ctgcccact gaccgcccac cccccattcc 180
tgtctggaag gntcgcttgc catcatcccc cacatccgac agctctccct tcagggtcac 240
ctcctccttg gacaaagcat acgtgacccc ttgtcaggtt tcttggettg gtgctcccc 300
agagtttggc tcctgcccc aaccaagcat catgggtgac aatgcacca cttgataact 360
gatcactggg ggtca                                     375
```

<210> 921

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T89160

<220>

<221> unsure

<222> (1) .. (357)

<223> n = a or c or g or t

<400> 921

```
atgctgctat gacagaatac ccaagactga gtaatttata aagaaaagta atttatttct 60
acagtgccag ggtctgggaa ggtgctggta tctgggtgagg gctttcttgc tgcattcattc 120
catggcagaa agtgagaggg tgagagaggg acaagggagg ggaactgaac tcattccttt 180
atcagtaacc cactcctgca ataactaatc cactcccaca ataacaacat taatctattc 240
atgagggcag agctntcatg acctagtcac ttcttaaagg ttctacctta actccattgc 300
tttgggggat taaatttcaa catattaaac ccttggggagg gacacattcc aaaccac 357
```

<210> 922

<211> 210

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T89243

<400> 922

```
gcacccctga aatcaattcc atatcatggt tgaatgccat acattttgca catgtactgt 60
acataagtaa tgcatactgt atttttatat gtgtgcacat ttatcatcag atcttttgta 120
catagtggca gtattgtagc tgatcgggaa atgtttgata tctcagcaat tttgcatttt 180
tgtgtctcaa ataaaagaca ttttgatgta 210
```

<210> 923

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T89703

<220>

<221> unsure

<222> (1) .. (494)

<223> n = a or c or g or t

<400> 923

```
gtagaaaaca aaaatggaac atttattngc aactcaaata ctacgcatac acagtaagaa 60
nttaaataata aacacagcaa gttccacccc agtcctatct gtccaaggct gcatgggtcaa 120
atggaatctt gaagagaaca cctggnaaac agagcanctn tcagcgacgt ctccgggtctg 180
gacttctgct gcgtcttcgg ccacctctcc ncttgccctt tgggtggacc cgaacaaaaac 240
accagtcaac ggtgatgggc tgtcccatca aatcctgggc cattgagtcc ctccatagca 300
gcctggggct tccttgatg tttcatattc agctaggagt ataccctgt cagatatcct 360
gttcgcctgt cgaggttgag gatgaatggt tttaatttcc ccattattct cggaatttgt 420
cgtgtatgtn ttctgaggna ggcttctcca tggacttcca gttacaaaga gantccagnc 480
ttcagcagag cggtt 494
```

<210> 924

<211> 255

<212> DNA

<213> Homo sapiens

<220>

| | | | | | | |
|------------|-------------|------------|-------------|------------|-------------|------|
| tccttaaaat | aacctgcatc | tcccctgtcc | tgggtgtggga | gtaagctgac | agttttctctg | 3660 |
| caggctctgt | caacttttagc | atgctatgtc | tttaccattt | tctctcttcc | agtttttttgc | 3720 |
| tttgtcttat | gcttctatgg | ataatgctat | ataatcatta | tctttttatc | tttctgttat | 3780 |
| tattgtttta | aaggagagca | tcctaagtta | ataggaacca | aaaaataatg | atgggcagaa | 3840 |
| gggggggaat | agccacaggg | gacaaacctt | aaggcattat | aagtgcacct | atttctgtct | 3900 |
| ttctgagcta | agaatggtgc | tgatggtaaa | gtttgagact | tttgccacac | acaaatttgt | 3960 |
| gaaaattaaa | cgagatgtgg | aaggagaacc | tcagtgattt | tattccctag | tgaggcctct | 4020 |
| gagggcctcc | acactgcctg | gcagaacata | ccactgaact | agtatgtgct | agaggagggc | 4080 |
| acaaacatcc | gctccttccc | taggcctgct | ggctctgggt | ttctatgcag | atgattcatt | 4140 |
| ggattggggg | tgagtgtttt | gtttttctgg | gggcagtgtg | agctttgagg | gttggaatat | 4200 |
| tgggaggcat | tccttagttt | cctcaactag | cctggaaagt | taggagtcta | gggtaattac | 4260 |
| cccccaattg | gtctagccta | ctattcactg | ctttgtgtgc | atttttttct | ccctctttaa | 4320 |
| aaaacccttt | aaaagaaaaa | aaaaagtaga | tagtgctaaa | tatttagctc | atgaaacttg | 4380 |
| gttaggatgg | ctgggggtac | aagtcccaa | actacctctt | gttacagtag | ccagggagtg | 4440 |
| gaatttcgtc | aaccgggtact | tttaaggtta | ggatgggacg | ggaaaagtga | agcaggatat | 4500 |
| tagctcctta | taccttctcc | cttccatttc | tgagatctca | cattccatct | atcacagggt | 4560 |
| tttcaaagag | atgctgaggg | taacaaggaa | ctcacttggc | agtcagagca | tcatgctttg | 4620 |
| aggtttgggg | tgctcaggct | gggagggtag | aatgccattc | cagaggacaa | gccacaaaaa | 4680 |
| tgccttaatt | tgagctcgta | tttacccttg | ctgataagtg | acttgagagt | tcccggtttt | 4740 |
| ttcctcttgt | ccttccctcc | cttctgtcct | tccatgtgtg | gggaaagggg | gtttttggta | 4800 |
| gagcttgggt | tccaaagcgc | ctggccttct | cacttcacat | tctcaagtgg | cagtttcatt | 4860 |
| atttagaatg | caaggtggac | atcttttggg | tatctttttc | tatatatttc | taaagcttta | 4920 |
| catatgagag | ggtatagggg | ggtgtttata | aaacacttga | gaactttttt | ccttaatatc | 4980 |
| agaaagcaaa | aaaataaaac | cacaattgag | atltgccttt | caaaccctca | ggtttgcttc | 5040 |
| taaccaggtg | tccctgggtc | ccatcagagt | actggaatac | gggaaccgag | gaggaccttg | 5100 |
| gtccttttgt | ttttgttctg | gactcttggg | agtggaaaatg | ggatgagttt | atccactgga | 5160 |
| gcttaagtcc | catgcatttg | ctccagaaa | | | | 5190 |

<210> 982

<211> 3496

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U69263

<400> 982

| | | | | | | |
|------------|------------|-------------|------------|-------------|------------|------|
| cgaactctga | aaaggcgggg | cagcgggcct | gcagctcctg | gagttcaggg | agacccggaa | 60 |
| atctcaccct | gccctcttct | tgtgttgtgt | ttgtcacagc | cttgcccttc | ttgtctgcct | 120 |
| tgaaaatgga | aaagatgtct | gcaggctgct | ttctgtgat | cctcggacag | atcgtctctc | 180 |
| tccctgccga | ggccaggagg | cggctcacgtg | ggaggtccat | ctctaggggc | agacacgctc | 240 |
| ggacccaccc | gcagacggcc | cttctggaga | gttctgtgta | gaacaagcgg | gcagacctgg | 300 |
| ttttcatcat | tgacagctct | cgcagtgtca | acacccatga | ctatgcaaag | gtcaaggagt | 360 |
| tcacgttgga | catcttgcaa | ttcttggaca | ttggtcctga | tgtcaccga | gtgggcctgc | 420 |
| tccaatatgg | cagcactgtc | aagaatgagt | tctccctcaa | gaccttcaag | aggaagtccg | 480 |
| aggtggagcg | tgctgtcaag | aggatgcggc | atctgtccac | gggcacccatg | accgggctgg | 540 |
| ccatccagta | tgccctgaac | atcgcattct | cagaagcaga | ggggggcccg | cccctgaggg | 600 |
| agaatgtgcc | acgggtcata | atgatcgtga | cggatgggag | acctcaggac | tccgtggccg | 660 |
| aggtggctgc | taaggcacgg | gacacgggca | tcctaattct | tgccattggg | gtgggcccag | 720 |
| tagacttcaa | caccttgaag | tccattggga | gtgagcccca | tgaggacccat | gtcttccttg | 780 |
| tggccaattt | cagccagatt | gagacgctga | cctccgtgtt | ccagaagaag | ttgtgcacgg | 840 |
| cccacatgtg | cagcaccctg | gagcataact | gtgcccactt | ctgcatcaac | atccctggct | 900 |
| catacgtctg | caggtgcaaa | caaggctaca | ttctcaactc | ggatcagacg | acttgcaaaa | 960 |
| tccaggatct | gtgtgccatg | gaggaccaca | actgtgagca | gctctgtgtg | aatgtgccgg | 1020 |
| gtccttctgt | ctgccagtgc | tacagtggct | acgccctggc | tgaggatggg | aagaggtgtg | 1080 |
| tggctgtgga | ctactgtgcc | tcagaaaacc | acggatgtga | acatgagtgt | gtaaatgctg | 1140 |
| atggctccta | cctttgccag | tgccatgaag | gatttgcctc | taaccagat | aaaaaacgt | 1200 |
| gcacaaagat | agactactgt | gcctcatcta | atcacggatg | tcagcacgag | tgtgttaaca | 1260 |
| cagatgattc | ctattcctgc | cactgcctga | aaggctttac | cctgaatcca | gataagaaaa | 1320 |
| cctgcagaag | gatcaactac | tgtgcactga | acaaaccggg | ctgtgagcat | gagtgcgtca | 1380 |
| acatggagga | gagctactac | tgccgtgcc | accgtggcta | cactctggac | cccaatggca | 1440 |
| aaacctgcag | ccgagtggac | cactgtgcac | agcaggacca | tggctgtgag | cagctgtgtc | 1500 |

<223> Genbank Accession No. T90038

<220>

<221> unsure

<222> (1)..(255)

<223> n = a or c or g or t

<400> 924

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tttttacatt attaacaaat ttattgaaca actagaactt gacaagcact tgcccagtag 60
aggggataca gtggtgagca ataatagtga tgataatgag gagcagtttt ccctagcagg 120
cagcagttga aaggantatg ggtttaacat ccaccantga ccaggngtgg acagntcctt 180
ttccagggng actgagtcca tagtgggntt aaaaacatcc ctgtaattct tctagcttcc 240
ttcatccaan ttacc 255
```

<210> 925

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90190

<220>

<221> unsure

<222> (1)..(391)

<223> n = a or c or g or t

<400> 925

```
tantnntcca gctcttttat tgagatcagt ggtggctctg aaaagcgtnt ttnggggtttt 60
agaagtaggc gttegetaat ttcttcttgg gcgccgttc ttaggcttga caaccttggg 120
cttagcggcc ttggnttcac agccttagca gcacttttgg cagctttctt gggcttcgca 180
accttggcct tctttgggct cttagcactt tcttggttac agtggccgcg gcggctntct 240
tcgctttctt cggngtttcc ttagcgctct tcttcggagt tgcgccgcca gccgcccttc 300
ttgggcttct tggctncccc aactggcttc ttaggtttgg gtccgcccgc cttttnaacc 360
ntggggcttg gnetcccccg gagcttgctt t 391
```

<210> 926

<211> 483

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90619

<220>

<221> unsure

<222> (1)..(483)

<223> n = a or c or g or t

<400> 926

```
gannntnntg ggctcggcgt ggtggtgaag ctgtagcctc gctcagtga gatctncatg 60
aggtagtcgg tcaggtcccg gccagccagg nccagacgca ggatggcgtg ggggagggcg 120
tcggtacgaa tgggcaccgt gtgggtgacc ccgtctccag agtccatgac aatgccagt 180
gtgcgccag aggtangagg gacagcacgg cctggatggc acgtacatgg ccgggggtgtt 240
gaaggtctca aacataatct gagtcattct ctctctgttg gccttggggg ttaggggggc 300
ctcggtcagc agcactgggt cttcctccgg ggccacgcgc anttcgtttg tagaagggtg 360
nggtgccaga tctttctcca tgtccgtccc agtttggtga cgatgccatg cttcaatggg 420
gtantttcag ggtcaggatg ccangtttg tcttgggcct tcgttcgccca cgtaggggat 480
tct 483
```

<210> 927

<211> 233

<212> DNA
 <213> Homo sapiens

 <220>
 <223> Genbank Accession No. T90889

 <220>
 <221> unsure
 <222> (1)..(224)
 <223> n = a or c or g or t

 <400> 927
 natgaacagt atataatcta atctcttttaa ttttatgtac atgaatataa tgtatgtcaa 60
 ctttgtacat gagatacata tagtatttaa acattttact caacaaacaa gaatttaca 120
 tagcaatata actgactaga gggctatcaa cttaataata cttagattag atctgtactt 180
 taataggaaa agaatttaat agttttacaat catagaaaca ctgacattta aaa 233

 <210> 928
 <211> 305
 <212> DNA
 <213> Homo sapiens

 <220>
 <223> Genbank Accession No. T94447

 <220>
 <221> unsure
 <222> (1)..(305)
 <223> n = a or c or g or t

 <400> 928
 ttaattatng atattccccc tcaccgccct caggganccg gagaagtcac acgaccatag 60
 ggagcttgga cttgggtggtc gtcacgggtgc tggcagacga gggctcttcc aggaacccct 120
 tgctagaatc agccctcata caagtgtgct cagagatccc aggagcgatg gcacccctccc 180
 gaagtcaacta ccccatatg tctccttggg cttcttcccc ctctctttct ggaacctgac 240
 caggcagaac gcagcaactg ncagcaacag caccgccagg gagcacccca atcagagntc 300
 cggcc 305

 <210> 929
 <211> 302
 <212> DNA
 <213> Homo sapiens

 <220>
 <223> Genbank Accession No. T95005

 <400> 929
 ctttattgaa aacattgagt gcagaaataa accctgctca tgaatgggaa aattcaattt 60
 tacacagggtg ctgattttat ccagactgat ctatagattc agctgggttc cattctacat 120
 ctcaaggggt ttttgggggg aatttgacaa gctgattctc aagggtacat ggaagagcaa 180
 gggccgagac tagagtttag gagatgattc ccaaaggcac aggggcagaa aaatgaccag 240
 tggaaccaca tagaaaaatc aattattgta ttttcaatgg atcactaggc agcagggaaa 300
 ag 302

 <210> 930
 <211> 352
 <212> DNA
 <213> Homo sapiens

 <220>
 <223> Genbank Accession No. T96171

T04250-90409660

<220>
 <221> unsure
 <222> (1) .. (352)
 <223> n = a or c or g or t

<400> 930
 tgccatgttg gcaggctagt ctcgaactcc tagcctcaag tgatccacct accttggtt 60
 cccaaagtcc tgggattata ggcatgagca ctgtgccag cccatagatg gcttttatta 120
 ccttaaggta tgtcatgagt aaccttttaa ttctccataa aattaattat tgtgtttttt 180
 gtttgcttgg ttttctatga ccctatcata aattcaactc caaactctgc accaattttt 240
 tttaaacttt actcaagaat ttagggccac ataaacattc caacaaattt gtcttcgtag 300
 ggnaaatctt ttccagagtt tttnccact atggccta at gcgcagnggt ca 352

<210> 931
 <211> 358
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T97243

<220>
 <221> unsure
 <222> (1) .. (358)
 <223> n = a or c or g or t

<400> 931
 nngttatnaa gttaaatctc tttaatatcc caatacaaag tactgatgca aaaagacaat 60
 gagaaaaccc aggaagttgg ggggtggggg gtggggagag gttttataaa taaaaaaccc 120
 cgagcagctt ttcagaggca gaggagctaa gagaagcagc agtccaaagt gaggaaggga 180
 gtgtgtggct cctgggacct gccccttgct ccctcactca cagctgctcg taaacacccc 240
 tttcaaaagg ggctgcaccc tttggatatc tgcttcttct tcttggtccc tggggacggc 300
 aactagctct ggcttcaatc ccctacaaaa attcctgaga tcttcggggg accccagc 358

<210> 932
 <211> 348
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T98019

<220>
 <221> unsure
 <222> (1) .. (348)
 <223> n = a or c or g or t

<400> 932
 ataaaatagg gctggccana gagcactcac cgtctccctt ttgagttttt cccgcttgng 60
 tccaattcca cgagcagccg agctcgctcc aagtcatgcc ggagccgctg ccaggacttg 120
 agctgttctt taagggccca gttcttatcc tcagaatctc tctgtagagg caaaacgaag 180
 atcagaggat gattagaaag ccagaggaaa ggtcaacagg gagaagagag cccagggaaa 240
 cttaggtcaa gccaaaagag ggagcacagt aatttatatt gtagttgcct caatctgtgt 300
 tttccccaag gccttgggaa gaattaaatt ctttttggtat tgnntttt 348

<210> 933
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T98288

<220>
 <221> unsure
 <222> (1)..(307)
 <223> n = a or c or g or t

<400> 933
 tgagtcattg gncttgctct gtcactcagg ctgaagtaca gagacacaat catagctcac 60
 tgctgtccca acctgctgga ctcaagtgat cctctctctt cagcctcctg agtagctgag 120
 gctactggca tgcacccacc ctgataggng ttttttattt tttagggatg ggggtcttgct 180
 atattgcaca ggccagtctt gaaccctggg gctcaggcaa tccctccacc tcagcctcct 240
 gagnaattgg ggactacagg tgtgaaccac ggatgcctgc ctaatttttt tttttttttt 300
 gagacag 307

<210> 934
 <211> 160
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T99373

<400> 934
 aagaaattat gcttgtcttt ctatggcagg aagtagaagt ggttcaaaaag ggaccggggcc 60
 agtcatcaac aaggaggcac tcaggcctga cgtgcctgac agatcgaggc tttctctagt 120
 actgtacagc tgctttaagg cacagcatgt ttatcaatat 160

<210> 935
 <211> 3632
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. U00672

<400> 935
 aaagagctgg aggcgcgcag gccggctcgg ctccggccccc ggacgatgag gcgcgcccag 60
 gatgctgccg tgcctcgtag tgctgctggc ggcgctcctc agcctccgtc ttggctcaga 120
 cgctcatggg acagagctgc ccagccctcc gtctgtgtgg tttgaagcag aatttttcca 180
 ccacatcctc cactggacac ccatcccaaa tcagtctgaa agtacctgct atgaagtggc 240
 gctcctgagg tatggaatag agtcctggaa ctccatctcc aactgtagcc agaccctgtc 300
 ctatgacctt accgcagtga ccttggacct gtaccacagc aatggctacc gggccagagt 360
 gcgggctgtg gacggcagcc ggcactccaa ctggaccgtc accaacacc gcttctctgt 420
 ggatgaagtg actctgacag ttggcagtggt gaacctagag atccacaatg gcttcatcct 480
 cggaagatt cagctaccca ggcccaagat ggcccccgcg aatgacacat atgaaagcat 540
 cttcagtcac ttccgagagt atgagattgc cattcgcaag gtgcccggaa acttcacgtt 600
 cacacacaag aaagtaaaac atgaaaactt cagcctccta acctctggag aagtgggaga 660
 gttctgtgtc caggtgaaac catctgtcgc ttcccgaagt aacaagggga tgtgggtctaa 720
 agaggagtgc atctccctca ccaggcagta tttcacctgt accaacgtca tcatcttctt 780
 tgccctttgtc ctgetgetct ccggagccct cgcctactgc ctggccctcc agctgtatgt 840
 gcggcgccga aagaagctac ccagtgtcct gctcttcaag aagcccagcc ccttcatctt 900
 catcagccag cgtccctccc cagagaccca agacaccatc caccgccttg atgaggaggc 960
 ctttttgaag gtgtccccag agctgaagaa cttggacctg caccggcagca cagacagtgg 1020
 ctttggcagc accaagccat ccctgcagac tgaagagccc cagtctctcc tccctgacct 1080
 tcacccccag gctgacagaa cgctgggaaa cggggagccc cctgtgctgg gggacagctg 1140
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<220>
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<211> 2643

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U09366

<400> 943

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 <213> Homo sapiens

<220>
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 <213> Homo sapiens

<220>
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<210> 946
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<220>
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<210> 947
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 <212> DNA
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<220>
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<220>
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 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. U15932

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<211> 2244

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U19495

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<220>
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 <212> DNA
 <213> Homo sapiens

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<223> Genbank Accession No. U26174

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<213> Homo sapiens

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<223> Genbank Accession No. U55209

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ttgtttgctt attgttccaa gacattgtca ataaaagcat ttaagttgaa tgcgaccaac 3540
cttgtgctct tttcattctg gaagt 3565

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<210> 994
 <211> 448
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W02204

<220>
 <221> unsure
 <222> (1)..(448)
 <223> n = a or c or g or t

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<400> 994
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tacttggaac accttagcca tcattcaatg ccaaaaatgtt tgggtttttt tcatatcaca 180
tccgtcctat cttttcatct tcagtgaatc attcctcatg tttgtaatta aagccatatt 240
taccatcata atctgcagtc acccgagctc attttgcctc gaagccagtg atattaagct 300
gttctatttc taacgtgtcc cttaacttga ttctaagtaa aagcagcaag cagtgggtat 360
ttaatataca aactcatcaa attccacata anacatttaa ccacagnttt aaaaactcca 420
gtggccttta cactagctac cntggggag 448

```

<210> 995
 <211> 378

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W20486

<220>
<221> unsure
<222> (1)..(378)
<223> n = a or c or g or t

<400> 995
tcaagcaaac ggatgatttt aatgaggggt gagaagcact ccgcagtgcg gcaagcggcg 60
ggctnggntc ggggccccagc accggtggga gcggggcttc tctggcctcg cgcgcggggg 120
acngnccctt tccccctcgg ggaacgcgca ggaggcaccg cggccccngg gttggaacaa 180
acgcgtttac tgcaggcaag gcggcgggcn cggggcggct tcaccaggcg aagaggggct 240
tgcgtcctcc ttggagaagc tccgcacagg cagttgaagc agcagcagca agtcgcccag 300
gaacttgggg ggcaccacgt cgatgaccag cttgcgcacg cggcccgggc ttgctgtgca 360
aggggggttg cgcgcagg 378

<210> 996
<211> 687
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W28214

<220>
<221> unsure
<222> (1)..(687)
<223> n = a or c or g or t

<400> 996
ttttcangag ctggcccttt caactcagtt tagggggcgca gccagctcnc ttcccaatag 60
ggctctttct gctttccctc tccttggccc tagatttgta atccatgaaa aagcacaagg 120
tcctggctcc ttgcggtcac attctggttc tctgtgtttg gtggactctg ctctcactgt 180
tcaccagca ctagcagtac cagatgggtc tgtggagtcc tggggaatgg agagagcaca 240
gtctgactcc ctgccaagta gccaggagt gacttgccca tgggtccgtg gctttccac 300
cacttcctac aggatgggat ctaagagact caagagctgg gtttctttca gnactctgta 360
ctgtcccaaa tagnaacaa ntcacttngt ggccagattt ctgaatggaa atgagaaatt 420
gaattcagct tgggacttaa ccaggetgac tngntagggg ggnnnnnncan nnnnnnnntn 480
gntcaannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnn 687

<210> 997
<211> 870
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W28548

<220>
<221> unsure
<222> (1)..(870)
<223> n = a or c or g or t

<400> 997
tctcacacat tcacgcatcc agtcatccac tcagaggcca accagtcaca cattcactca 60

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ggggataacc 120
agaaggacct 180
cacactcagc 240
agctgtggat 300
tggtttcagat 360
cctaatacggga 420
ctnctgttgg 480
gggatcttgg 540
ccaggntgac 600
nnnnnnnnnn 660
nnnnnnnnnn 720
nnnnnnnnnn 780
nnnnnnnnnn 840
nnnnnnnnnn 870

```

 $\langle 220 \rangle$

<223> Genbank Accession No. W33179

<400> 1000

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tttttttttt attttcataa cttgcttctg ttgatttttt ttttttgtaa aactttccca 60
agacattttc agacttaaaa ataaagtcag tggtacaggt gctggtcagc cttcttactt 120
gtacctcaaa cactgggata aaggaggcgg tccaggggcaa tgcagtgatg tctgtcaaga 180
cattccccct cccctaaact cagtagcagt tgaggatgac atttcagggt agagagaccc 240
aaaataacct tgttccacct gagagcaagg tgggaagttgc atcagctact gcccgaagtg 300
agcttcatct tctgattgtg ggctttggag gaacgagaga actggctctt gggcactgtg 360
gaggggtaca gctttgccac tcaaatatac cttattgtgg gcattcaggg agccagggtc 420
cagagctgca gggctgc 437
```

<210> 1001

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W37384

<220>

<221> unsure

<222> (1)..(506)

<223> n = a or c or g or t

<400> 1001

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ttttttttac acctttctat tttttatttt ttacatcaaa caggtaatgt gatgatgctg 60
taacaaggtt tgagggaagc atatctgaca catgagcatg aaaccaaadc accatgctta 120
tggaactaaa aaggacctaa gccttttaaa ctagactgtc tcaactgtgc attaattatg 180
tatttagata taggatatgt gcttgggaaa atgtataact aaactttatg tcttacttct 240
caaacttaag aaaaacaaaa acatctagca acatcttaca tgagttttcc attacctagt 300
gttacatcat tggtaaaaac atactotaag cctatatatt accttaatgn tatccgggtc 360
ctagaatagt tattccntta acacttattt ttaaggaata aatttaattt acntggaggt 420
acctaaaccc caggaaataa ttttttccaa cggtaggagg tacagccctt tataataggg 480
taggtccngg attgggtccc tcggggg 506
```

<210> 1002

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W37778

<220>

<221> unsure

<222> (1)..(383)

<223> n = a or c or g or t

<400> 1002

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agaggttttt tattcggccg ggagcatcag cagactcgca tcttaagagc cgagctcccc 60
gaaaaagaaa ttctagcccc tttgaaggnt tgacaactct aaggggtcta cgtgaaagag 120
tcataataga tcaagtaagt gtgaggaatg tgactgtggg ctacctacat cagctaacag 180
tacaaaaagt tttacagtgc tttctcacac aatgtctgga atttacagat aacaccagta 240
ngttttggtc aggggttaat attattatca ttctaaccac cagggccagg tgggtggcgc 300
aaggtegtct agctatttat ctttcttctg tttctttcca actttttgct ttctcccttt 360
tctcctgtct tataaactag gga 383
```

<210> 1003

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W42483

<400> 1003

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agcacaacac tcacatcttta tttattttatt attttttttt actaaggcac atgacgtaga 60
aatattgagg tacaaaaatgc aaattttctgc ataagatttt taagatattc attttggaaa 120
atgaagggtga acatcatctc ccagaatatt cagcttttag cttgtttttt cttttggacc 180
agttcaacca gcaacttgta cctagegata cagtcttcct tgctcttgga cgggacacat 240
ctggctatatt tgtcccagcg gtcagaggat ccccttgggt actgctgcaa cgccagttcc 300
agaagtttct gttgattttg agtccacggc tcctctgcag accgagctct ctcttttctc 360
aggctctcct cgtc 374
```

<210> 1004

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W42778

<400> 1004

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gaaaacaaaa atttattgct tctccttcca aagctttgtg aatttacaaa aaaaaggatg 60
aaagttttaca aactgcttag ttccaactaa gcataagagg tgagaacgta cactgcaggg 120
ccaccagcag cagctgtgca ctcgatcggt aaaactgggt cccccagact tgtagtgctg 180
tcttcagggg gctgcattcc ttacacgcca cctcttggtga cataggtcat tgggtcaagcc 240
gctggaatgc tacagagggt tttttgggtt tgagaggcct ttttttggtt tgccttccta 300
ctataaaagc gaaattttca gttcatttct gaaaaataaa ttggtcaata aattcatttt 360
gttctgcttc tactttacac aaa 373
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<210> 1005

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W44558

<220>

<221> unsure

<222> (1)..(377)

<223> n = a or c or g or t

<400> 1005

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tttttccaga aatgcttttc cttttatttc agaagaaagg acataaaggc agacacttcc 60
ccctccctn ctgncannnc nnngaggtnt nggttnaccc agaactggag tnaaaggcca 120
gggcaggacc aggggtccata aagcttgccc ttcccccaac ccttccttcc ctcaaagtgg 180
caagggttaga aaaaaattaa ctatgttggt cctccctggc actggataaa ggccccactg 240
cagccaagga gaaagagggg ggtccaggct cccctccan ggcagagaag ctgctggctn 300
ggctacnggg gaggggtggag gtggaggtag gttatgggac agagaggaca agaagtggcc 360
tgaacacctt ttccctt 377
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<210> 1006

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W44760

<400> 1006

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ttttttctgg taacagcatg ttttaatttat tattattgca aaagaacagt ttttctcatg 60
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attagtgaaa tagaaaactc acaatatact taagagtctg cccccaaacc attacaaagg 120
 gggttgagaga agagagaagc agaaaccaa agagaaacag aagtaataat cagttatcac 180
 atgattttta tagtaaacaa tagaatatga tgtgcaatag tgcaattttc ctttgctagt 240
 ccagcaatgc aagtaagtct taataggaag tccactgtgt tactttttgt atttcgggat 300
 ttagttgcgt gcttgccggg gggtcgagtt cctgccagac ttctgactct gagtggaaac 360
 actattgcta gaatcacttt tactgagtc aagatgacga agcttcatat cccagcgctt 420
 aactttttta ccgagtcgat ccttccactt ctcagctata gagccttcca ccaaga 476

<210> 1007
 <211> 402
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W45531

<400> 1007
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 agctgagaag tctgatcagc tcagaaaaga gtggaatttg gcaacaaata tgttatccaa 120
 caaaatctga gtaatttatc accttttaac atcttcaaca tttttataat ataaatattt 180
 ttttaaaaaa cgattattaa actaatactc ccctggaaga acaagaggac taattttcgg 240
 tgacgacaga cttgtgctga tccatcatct ggaactccta aagacctgaa tggctgactg 300
 ggattagtga ctactatctg gttttactgg ttttactcta ctaagcccat gattttgtgg 360
 ttttaaccaa ttaagaaaat tatccccaag cacaataaaa at 402

<210> 1008
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W45664

<220>
 <221> unsure
 <222> (1)..(534)
 <223> n = a or c or g or t

<400> 1008
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 agtatgagta gaatgaattc agtgctagcc tcttgctgga gagggacaag tgcaggttta 120
 gaattacagc ttatgttaga aggttctctt ctcatcgata cttcatgtt agaagaaaga 180
 ggacagaggc agagctgatg gaatctcata aaataacagc taatgccgtg tgtcaggcac 240
 tatgcttaac aagtatctgt ttaacatgtg taaatgctct ttagctcttg cttttctata 300
 atataaaaaca gtccctggag tccgtgttctt ccccttcctt tctctcgtgt cctttggact 360
 gtcttttngc agcctctggc ctttctcatt atctactaca gcttgctacc tgactcatca 420
 aaggcacatg ggtgttgcaa gagaggatgg gaaccgggtg gtttatacca ttaaactggc 480
 cattataaca gggagctata aggtggaaaa ataggagncc aggaaataaa gccg 534

<210> 1009
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W46395

<220>
 <221> unsure
 <222> (1)..(444)
 <223> n = a or c or g or t

<400> 1009
 ttttttgcac ttcgcccaca caggacagtg gagccccacc tggtcagttc cacttccggg 60
 ctcccatgca cttgcccagg gcggcctctt tgggacgggg atggtttgag gaaacacttt 120
 taaagaaaaa aggaagacat tgaaagggtt tagtttcttc cctatctgca tgtcctctca 180
 tatagaaagc ccagaattag gggctagaac tccaggagag ggtctccccg actcatctct 240
 tgctgacggt caccaggatg cagaaatagg gagatgggta gtgggggcca aagatgcccc 300
 ctcccaggcc ttcgtgggtt cctcctccgc cccctgcaat ctttgggagg agtcagtgcc 360
 tcactccagc agtgagtgcc tactgtatgc aggtagtcag ccaggcaaaag agagactaac 420
 ggtctcatgg gggaacctct tgan 444

<210> 1010
 <211> 489
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W49708

<400> 1010
 ttttttcacc gcagagatgt ttttattgaa atgcatgtta tgagtaaacac atgaactccc 60
 tctggcccag gtgggacttc ttccctcata ggtgggtcag gccagtgagg acagtcttgg 120
 tggtggttaag aaggaggacca agtgacagaa ggtctccaag gcataggaga tgggtgccgg 180
 tgagtctggg gaaccgagga ttatgaagcc tgctggaagc cttggtatgg tatggttctt 240
 ctgagctgtg gctgcagatt tctcttcatt ggctgcctcc tctgaaaaca gactcctctt 300
 ttctgcaatt aatcttttaa ctccaccat ccactgactt gacctcagtc acatggtcaa 360
 ccatgagggg gcggtggatg tcatctgctg cgtcccaccg gtggcttgaa aagctcttgc 420
 accagtagag ccattctctt ctttacaggg tattgacaac tttcctccaa gccactgtt 480
 ccttgcaag 489

<210> 1011
 <211> 678
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W51743

<220>
 <221> unsure
 <222> (1)..(678)
 <223> n = a or c or g or t

<400> 1011
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 gcaaaaaaat acgtaataaa gaatacatat atatatactt acacacaaat tatatatcta 120
 tctatctata cagcggaacc acaagagaga ctgaggaagg cctggaggca ggggcagagg 180
 tgacgacagt gccctatat ccttaaccga tactcctctg aggcaaacag gcatgggaaa 240
 atggaagggt tgaggatgga ccggagaatt ggaacttcag aataggtcaa aattccaaaa 300
 ccatggacat ttttttttgg gagaattgag attgtagaca tttttttttt cttaaatatg 360
 atcaaggaaa atagcttcca gaatgtggtg gttctgggca acaaatgaga ttgtggcgac 420
 gtggagatta aaatatatgt atttgagctg gggaatttga atattgtgag tttcagatgt 480
 tggaaatttg ggatttttga gttttgtctt ttgaaaatga tcaagtcttg tcagttcgtg 540
 cctctcttcc ccatgttccc tgggaagacg ggtggtggca gagtgagaag gccactggtc 600
 tgtgccgcac acgcaaaatt tagaatctcc agctagctct atcgtgtgag gnccagatta 660
 gggaantgcc atattacc 678

<210> 1012
 <211> 453
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. W52065

<220>

<221> unsure

<222> (1) .. (453)

<223> n = a or c or g or t

<400> 1012

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cctttttcttt aataaaataa ttaaacactg gcagaaatta acttattcaa aaagtcatac 120
taatactttg ttatgacttt ttatagaaaa acaaaacttta tttttttatt tttttgagat 180
ggagtctttgc tctgtcacct aggctggagc gcaatggcac gatctcagct cactgtagcc 240
tcacactccc aggttcaagc gattcccctg ccttagcctc ccgagtagct ggaattacag 300
gtgtgcgcta ccatgcctgg gctaattttt gtatttttag tagagatggg gtttcaccat 360
gttggaagg ctggtttcga actcctgacc tcagggtgat tcacccgcct tggcctccca 420
aagtggctgg gattataggc gtgacagcct gna 453
```

<210> 1013

<211> 618

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52493

<220>

<221> unsure

<222> (1) .. (618)

<223> n = a or c or g or t

<400> 1013

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acttcgggaa cagcgctgta catacaanat tacaatanac tgattagctg tagactaata 60
aaacatttaa gacttcacac acacacacac acacacacac acacacacac acacacacac 120
acacacacac acacacaatg attggagggc tatatgatcc agcattagct tcctgggtgtg 180
ccaagcatgc ttgatecggg aatttttttt tattattatt attttttagc tgtagctgaa 240
ggcattttctc ggatgtggag aggagaatgg aaatcgcaga accaaatcag tttgccctgc 300
catatttggc tgtggtctgt cattgggcat ttctgatgtg cttttctgga ttcaggaaga 360
gctgattgtc ctccgagggt ttgaaaaaaa aaaacagttt cagaaacctg aatccagggc 420
cttatagttc tcctcattat ctatcttctt ctcccttccc tcgccaagg ggagtggggg 480
gaaacacttt tcaactgcaga gtttgcttta aagtttttcc cancttgcgt gcattatccc 540
ntgatattaa aattaatttc tcagtttaat ccacncctgc tgagaaantg gtgtgagatt 600
aggcngtggg ggtttttt 618
```

<210> 1014

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52638

<220>

<221> unsure

<222> (1) .. (466)

<223> n = a or c or g or t

<400> 1014

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ctcagtttgg gaccaaactg cttggatctt tgtaaaaacc cggttttgta tgtcaaggag 60
gagtttaagg ctttccgac caccttgtgt tccccctttc tgccgaccat gtatcacgtg 120
gagttgctcc ttaccacacc tcaactgccc ctgagcccta tttcctgatt tcttctgggc 180
tggaactccc cggtctccac cagcagctcc agtatcccaa actttctagt cctgctgac 240
ctcccagcaa cggggtggaa actggagggc agtgtctggt ctgttttcta agaaacttat 300
```

gaattctatt atctttacaa atatgagaaa attttttcaa ttttttttat taatcttttt 360
ataaaatgaa aagaaactcc tatgatcgat taaggaaggt gggtatggct ggggtggttca 420
gggggtttttt tgggtttcnt tttttttttt cnttgcctt ttaacg 466

<210> 1015
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W52858

<400> 1015
cacggccaaa atccataaag attataaaaag caaactaagt tgtgaagcta tagtacatgt 60
aggcatttag ttaagtatag caattcaaac tgacctgcat ccatccaaaa caaattcctc 120
cttcaacctt atttttactt gaaatttgct agaagaaata gcaaaccoga aatttggttt 180
atgcatgagt taataccact ggctcagcaa atacaagtta gtttgcttta agcaggtaac 240
tttttttgta atggaacgaa atgcaactaca aagttaagac agatttttgc taagtgcagg 300
aggcccttta ttattgctgc agaaaacaaa agcctggctg agttgatgtt ttacattctc 360
ccttactgaa atctacatga catgatgctt cttgctgggt ttttgtacat ggtaaacatt 420
ggccaagctg tgaaagaaaa tgggctggag gtgtgctttg gtgtggaaag ggtgagcaat 480
aaaggtatcc ggtaaagttc cccaaaaaaa a 511

<210> 1016
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W56792

<400> 1016
catcattttt tattgtaaga aaatacacag tttgaaagtg tgaataatgc aatattttatg 60
accaagaaat gggacttagg aaggggaagg aagataaaga aaaagatcaa gatgatctga 120
ttgagagaca gtgttgaaact ccaaatactg aactggaaaa ggagggaggt ggggaggaac 180
aggaggagga agtaaaaaaa tttgatcaga gaaacagtta aaatacaata tgaaaaataag 240
taataacctt ccttaaattc cttctatata caaaatacac gatttgccaa agcccaattt 300
gtgctactgg gattctgtga gctccttaag tgtattcaca tcctctgcaa cagcagaaaa 360
tgattatgat acaatcagaa tatgctgaag acaagttaaa ctcttgccag caggttcctt 420
aaaaat 426

<210> 1017
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W57931

<220>
<221> unsure
<222> (1)..(426)
<223> n = a or c or g or t

<400> 1017
tttttttttt tttttgggag gcaggagttg ctttttattg acttggaagt gggctcttca 60
gtgaagcccc tttggtnta agagcatttt cctgcttcct ttgttcttcc tgcaacttct 120
gctgcctgag ctgccatgct tgtaatccag cgtccatttc ctgtgacagc agtacaactc 180
gtcttgcaaa cgtctccctt tcagcttttc ttogaagctg gccttttcatt gggggagcag 240
ggcggccatc cgattatgac cagtctggga gctcggtaag gggcccgtaa gccgganggg 300
ttggcagcca agtccctgct gtantcgcca ctggccgccc gcccaagcgg ttacnttgca 360
gtgcaccctt ccggacacct gtgaagagaa cagtccctaa agcagccatg tgagcagcct 420

cgtgcc

426

<210> 1018
<211> 98
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W60186

<400> 1018
aacttacaaa caaaaataacc gtaataataa acccaaacaa agaccctcag cttgctgcca 60
cgttctctat gcggtttggc ggggcgggta tttaacaag 98

<210> 1019
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W60649

<220>
<221> unsure
<222> (1)..(551)
<223> n = a or c or g or t

<400> 1019
tggggcccaa tggcgatgtt aataaatata taaaatttta aagatctgga tttccaaggc 60
acaagagttt aacacaggcc aggctgggtc tcacaggaat gactccacgt gtgcccagc 120
atcccaggga ggggagggca acagggggag ggcggggagc cccanggacc tccactctcc 180
aaaggggttg caggccaggg ccnactactc atgttcctcc aggctggctc agaacagccc 240
ctttgccttg gggaaggaag aagtgagaag cacctctatc acctggcagg agtttaggag 300
acatcctcca agaccccgga ggtgtcctgg gacccccctgc cacttcctga gagccagagg 360
atcttaagac tnttacctgt ccctttggag gtagcatggc cggcagctga gcacagctca 420
ggccctttac agcaccgtgg ggtgaagtgt gtcttcccca ctccagcacc aagccaaggg 480
nttggcacc cgccttgggg naatttggcc tnggtggccc ttgtcatttc caaggccaag 540
ctatgaatgg a 551

<210> 1020
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W63793

<220>
<221> unsure
<222> (1)..(597)
<223> n = a or c or g or t

<400> 1020
ggaactgaga aaacagcaaa gttgactaaa ttttatatatt cttgtcctct aaatattttg 60
ataatttctg gattgatgca gtgatgtttt tgttccttcc gtattttataa atgaaacacc 120
tttttttagt gtttctaaac ctaaaatcta cttgggttga aatcaagtgg ttggaacact 180
gtttgacttt tatttgaagc atgttggtga ttgaaaattt cattgaggaa gttttcaatc 240
agtgtgatca gtttgattct gtaatgagca cagcacctaa tattttgagg agctctgttt 300
tgaggaccaa tgcttaaggt ggactttggt cgtaaacaa atcccaatag atttggtgac 360
ttgaggctcg gtttggtttt gtttttggtt tgttttggtt tgttttggtt ccaatagaat 420
taagaattct aatgttgaaa aactgcacaa atttttatgg gacaaagcct agaaaagaga 480
aatgtagttt gaatcataac caaaaccacg gatgatagaa gagggaaagt ttggggccat 540

aattttctcct tcactggtgt tgacctaaac cgttggaaag gaattccggn cccaatt 597

<210> 1021
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W67225

<400> 1021
ttttgtgttc caataaaatt ttattaacaa aatatgacag tggggggggcc acagtttgcc 60
aaactttgccc ttggaggaca tgcagaggca ccctcagaat tcagtgaataa cctgctccca 120
tattgctaag actcatgaag tataatctct catcttcttt ctctttcccc tgccaagcc 180
ctaagttagg gttcccatcc atataacaaa gacttctggt caggtggcat ttgctatctc 240
tgagattccc tgcccatgaa agccacaaag agatttcttc ttttacacac cctgaagcat 300
attatggccc cagcaaggct aactaaatca aactgtggtt taaaaacaaa acaaaccaac 360
cactgtgaaa tatttatatt tgttttgtag tattaagcat gattaaacca gtgcagaaaa 420
atactaagta cattgggtaa aagatga 447

<210> 1022
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W67577

<220>
<221> unsure
<222> (1)..(411)
<223> n = a or c or g or t

<400> 1022
ctaattacta ctttttattc taatgtgaac catgggcccct ggaaagctga taacaagctt 60
ggctgagcag agggaaactag gggtcaggca gaaaggatta tgggntggaa aacattggct 120
cttccttggg nagtggatgc tngggaaagg ggaagagagt ggctcancct ggcaggtaaa 180
taggctagaa aagccaaggc caaanctggn gaggggagag gacagtcagc atgtccagcc 240
tgggggtctgg gtgtaagggt tatcccttct cctggtgcc ttcccatctc gtccatgagc 300
ctaaggctctt gggagccttg tgttgggagg ctgctgtgat gtcagggaac ggggatctgt 360
ctagcttttg gccacttctt ggggacctca caccctgtt tganaaattg g 411

<210> 1023
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W69302

<400> 1023
gctttcggtg gttccttggg gactgggaat tgcttgtgtg catgtgttg gtgcatgctt 60
ccgggtctca gctgccccag gcccgcacag gcaacccctt cccatccaaa gccattgggtg 120
gagcttctct ggaatcattt gccaaaagcc caaggcagaa tccaagggtc caagaccatt 180
tccatggagc tcatgttttt cttttctgta ggaacttttt tttaaccagc acccaccata 240
attccgaagc cacgtttcat ctttcttgga tctactacagt gaagtattac acgttgtaca 300
cgttccagc ctggccttgg cttgctcgga taaaactttg tatgtatttt gtatggcata 360
gattctatat tgtaatgatg toctatgcaa aaagagaaat taacgaaatt gtaaatttta 420
ttgttttaac gtgtatgcat gtttagtgac gtttacattt tgaaataaaa ttt 473

<210> 1024
<211> 128

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. W70131

<400> 1024

```
gttttttgac ttcatttatt atataaggaa cctaactcaa attggcttaa gcaattaata 60
aatgtttatt gttacattgt tgtaatgtgg ctggaaatcc agaagtcata caaatctgtc 120
aggattgg                                     128
```

<210> 1025

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W70167

<220>

<221> unsure

<222> (1)..(428)

<223> n = a or c or g or t

<400> 1025

```
cagttctgtc ctttcgagaa aaacgtggaa tcgacgagga ctttcctgca gacggtgagc 60
agtgagaagg tccgctccac taatctcaac tgctcagtga ttgcggacgt gaggcatgac 120
ggctccgagc cctgcgtcgg acgtgctggt cggagacggg catcgctcga ttatgcgcgg 180
cgtcatctca ccgctctgga aatgctcacc gccttcgcct cccacatccg ggccaggac 240
gcggcgggca gcggggacaa gccgggcgct gatactggtc gctgacagcg ccaaagagac 300
caacaagatg attttagcgt ggactaggac acttaaccta agaagagttt cacttaatca 360
ttcaaatac tatctgaagg gtcacggagc gcaaaataaa gtttaaaacc ctgctaccaa 420
aaaaaaaa
```

<210> 1026

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W73038

<400> 1026

```
tttttttttt ttttttaaaa atcagatggg gactttattg tgatggtggc aggtccacca 60
gcagatgcaa atgtgggggtg ctgagagtgg caacacaggc caccctaaac caacttcact 120
ccctcccttg tctcagcca gtacagaagc caaatgtagc cccagcccta gactccagcc 180
caggcagagt ccaagggagg ggtgtcaggg tcagaagtca caggagagccc agtgactatc 240
aaggtggctg agagcaaggc tagggtaggg atggggcaga gaaagggcag ggggtgcagc 300
ccaggtggcc caaagcaaca cagaggagca agggctggca ttcaagtcag caggtcctct 359
```

<210> 1027

<211> 620

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W73790

<220>

<221> unsure

<222> (1)..(620)

<223> n = a or c or g or t

```

<400> 1027
ctggttgaca aagagggtat ttattgaggg tttactgggt acanggagaa gggctggatg 60
gcttgggatg cagagagaga cccctccctt gggatcctgc agctccaggc ccccttgggt 120
ggggtcgggg ctgggaacct atgaacattc tgcaggggcc accgtcttct ccacgggtgct 180
cccttcgtgc atgacctggc agctgtagct tctgcgggac ctccactgct cgggcgtcag 240
gctcaggtag ctgctggccg cgtacttggt gttgctctgt ttggagggcg tggtcattctc 300
cacgccctgg gtgatggggg taccatctgc cttccagggt accgtcaaga ttcccggata 360
aaagtcattc atgagacaca ccagtgtagc cttgttggct tggagctcct cagaggacgg 420
cgggaacaga gtgaccgagg ggggtggcctt ggntgactta aaacggtgag ctgggtcccc 480
ctgccaaaca catgcgtcac tgagttatgc ttggattgaa accccggggc cancacttgg 540
ggcagtcacg gagcgcctt gaacaggaac ctgcccaccg gttcctaagc ttgaccgctg 600
nttctccagg gtccaggncc
620

```

```

<210> 1028
<211> 697
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W73859

```

```

<220>
<221> unsure
<222> (1)..(697)
<223> n = a or c or g or t

```

```

<400> 1028
tggacacgct caggctggcg tccagctaca tggcccactt gaggcagatc ctggctaacg 60
acaaatacga gaacgggtac attcaccggg tcaacctgac gtggcccttt atggtggccg 120
ggaaaccgga gagtgcctg aaagaagtgg tgaccgcgag ccgcttatgt ggaaccaccg 180
cgtcctgacc ttggagggtg cagtctggga aaggcgcgct cccgggggga ngcgcncnct 240
gggaaggcga cccctgccct cagtgtcttc tgtctctgct tccccctcgc aatgctcctc 300
tctctgtccc accccgcgag aacactttac aacgacgagg agattcgttt ccaaaccaga 360
ggagatcaat tgtacttaca aagattccca tctatttaac tttattaact tctaccgtga 420
atgactctgc aagccttgct ggtccaagtg caatatgtaa ttataaatat ataaatagat 480
aagagcctat caatgtatct tttgtacaat atgttgtaaa atgtagatca taggatagct 540
gactttgaca gtcacattta taaagtaatt cacttaaaga tatatatatt tccaacaagt 600
ttgcactttt gaaataaacc ttctttatat gctaaaaaaa aaaaaaagat nggcggantt 660
tccttggggg gtaattantt gatgcgcggt aangcgg
697

```

```

<210> 1029
<211> 676
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W74533

```

```

<220>
<221> unsure
<222> (1)..(676)
<223> n = a or c or g or t

```

```

<400> 1029
tttttcagtt ggacacaaat gtattttattt taccctagca atagaacaaa atataatttc 60
tttagccatt tttcatgaga atagttcatt gtacagttga ggaaacatat gaaataaggc 120
ctgtgggttga ttgctagtgg ttaagcatgt tttcaatctt tgccttaatg taaaagattt 180
gcagtgaact gcaaaactgat gcagaatatc tctcctgctt ttccaagtct tgtcaggaat 240
agtaagggtac agtaaatattg tcccacagga ttttaaagcc tacgtcttgt atataatata 300
atgcaggcct acaaaaatgg tgcagccata tttacaaatt tagttcacag actgctgcag 360
taaaatggct ggaaagtttt gttttgcttg tttcacaatt tctctaaaca gcagcagaat 420

```



```

cttaaaatac ctggctggca tctcttttct ttgtaacaaa taattcactt tagtatactc 480
tgtgtatata caaagttttt gtatgtttta taaaaattca cagaactgca aggttcagtc 540
acttttttac accagagaac cacagggtcaa gagcactctt caagcagagt tgagggactg 600
cgnagccaat ggtgccttat tattaacccc gcatgggcct ggatcctagc tgagataagn 660
tgtaccacgc atgcct                                     676

```

<210> 1030
 <211> 496
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W76181

<220>
 <221> unsure
 <222> (1)..(487)
 <223> n = a or c or g or t

```

<400> 1030
cgaggagtcg gggcaaaagct gggcctgcgt gagattcgca tccacttatg tcagcgctcg 60
cccggcagcc aggggtcagg gacttcattg agaaacgcta cgtggagctg aagaaggcga 120
atcccgacct acccatccta atccgcgaat nctccgatgt gcagcccaag ctctgggccc 180
gctacgcatt tggccaagag acgaatgtcc ctttgaacaa cttcagtgct gatcaggtaa 240
ccagagccct ggagaacggt ctaagtggta aagcctgaag cctccactga ggattaagag 300
caacagcccc agagcctggg ctctgctgga cttagtataa tgtgaaaaaa atgtgttctc 360
ctattcctca taaagcttgt gctgtaaaat actttctcag ggtgttcttg tcctcatcta 420
ccctctacct cttactgtgc aaccactgag gcaaagtagc ttaatataaa aataaaactt 480
tattctggtc tcaaaa                                     496

```

<210> 1031
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W78127

```

<400> 1031
gaaaagacgt gcttgtcatt cttaataaac aactagagta agaatacata agagaaacag 60
agtggatatc ttatatgata cacaagtgtg tgttacaaga attccatcag gcacaggagc 120
ctcagggtttt aaggcctcaa tgtagggcca acaaaaaaaaa aaaaggcatg gtaaaagttt 180
tacttttaca tctaaaatgt cacttgtcat aaaggagggt gtaatagaaa ttgtctttaa 240
taaatacataa ttgaagtgtc cctcattttt cttccattaa gatgctaagt ttatgtctga 300
tcatgaagaa agaaa                                     315

```

<210> 1032
 <211> 556
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W80509

<220>
 <221> unsure
 <222> (1)..(556)
 <223> n = a or c or g or t

```

<400> 1032
ttttcacatc gtacatgttt atatctagaa aacgccaaagt caagtaatca gtacgtgaag 60
cgggccgagt acccgatggc ctggcccggt gtgaaggctg tttagtgacc atggaagtgt 120

```

```

gtgagatttc acgcacacgc attcatgtca acaaggacat caggagaagt taacattata 180
ctgaagtctt aagttaaaaac atttctgaag tgtatggaaa ggtttcacta gctgttactt 240
ttctaaagtc ccttgccctg tggtacttta cccagacgcc tctgctcttt atcgtggatc 300
aaagtccctg gggcttttgt gtgtcccggt caggcggcgt cgttggcctc agcaagtgcc 360
ttggtgggag aatgtgacgt tccccccagc tgggtcccggt actggacagt gtgggtgggt 420
ggtgccatcg cactcagcag acaaggtgag tgaccccgag ccagccctcc cttgtcccgg 480
tgccatccgg gaaggtgctg gggaacctgt cctttccctc ntggcccggt gtggcacctg 540
gnaaagcaag cccttg                                     556

```

<210> 1033
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W86513

<220>
 <221> unsure
 <222> (1)..(418)
 <223> n = a or c or g or t

```

<400> 1033
ccagtgaaac tcatttttatt ttcagctgaa aaatatacac agataagcat taaaattgaa 60
ttattatagg ttttctgaaa ataaaatttt acaataactta tgtttaacaa agattaaaaa 120
attcaaacaa atcaggaagg cacaggtctt gtaaaatgta ataaagaatt tagtccatac 180
cttgatgcat agtgggtggca ttaaattggca caatttttctg gtatcatgcc tgcctgcctt 240
agatctcaaa cagacctact ctcttttctc tctttctcat ctttaacaaac ttttgataat 300
caagcatcat agtatgacaa agagagtaac aagagctgtg caggccagca catccagaga 360
gcagtactga aaccaggtga gcttgtgggc aggtngcagc aggtacttgg gctccatt 418

```

<210> 1034
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W86660

<220>
 <221> unsure
 <222> (1)..(411)
 <223> n = a or c or g or t

```

<400> 1034
antcacctct gtcccccgag ctggagcaaa ataaataaat aaagggtgcag ctgtgggtcg 60
aaggatgggt tggaagtttg gggtagacat ccaagactgc agtaatgcta tgcccagggg 120
atattttggg gcaaaacccc caaaataccc tggcaaagaa agaagattgt gtttcagttg 180
caatcatcta ccctaattccc tttctgaggg cctctggact cgcttgggct cactgccctt 240
gtctgatggg gtaggatctc ccagaggaga ccagctaatt atactttaat gaggtgactt 300
acagacactg gaaaaggagt tggtcgttac actccccatc atcatnagca gctctctncc 360
aggatacagt ctgtgaataa atggtaccag aacnctcttg agcctcgtgc c 411

```

<210> 1035
 <211> 265
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W88568

<400> 1035

gttttttaac attttaattt caacgtgcc a gcat tttgtcc aaatgagatg atacaggcta 60
 gaatgcacgg cggaattcca gactggactc actccataag ccaactcate actgcccgtg 120
 aacatgaatt ctggtcctca gagaagctga cattgtttcc ctgaacattc ccgtgggtctc 180
 cctctgaaag ccgatgacca tccaaccctg actcacctga aatatcctac gagcatcgcc 240
 ctccgagact gacgattatt aacca 265

<210> 1036
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W92207

<220>
 <221> unsure
 <222> (1)..(395)
 <223> n = a or c or g or t

<400> 1036
 gtgtttccaat aaaactttat ttacacacat tgaaacctga atttcataca attttcacgt 60
 taccaaattt taattttttt tcaactattt aaaaatgtta aaaccattct tagctcacag 120
 gctatgcgaa anagancaac cagccagatt cggcccacgg tttaaggcca gtttaagcct 180
 caccaccttc ctagcccccac tcacctattt tgtcctctca tcttcctgtc cttcagcacc 240
 cccatgacct tcctgtgacc ttcaatggcc cctccagctg ccgtccagcc ctgtctgtct 300
 gcccttnggg gaccctctcc tcctgggctg caggactgtt ttttcctgga gcaggtctct 360
 aaatagctcc attcgcttg gcaggggggaa tccag 395

<210> 1037
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W92449

<400> 1037
 ttttttagat tcatcttttt aatgacatcc taaaattcag aggagggggcc agcggggacct 60
 ctgggctcag cggctgtgaa ggaggggaccc gcaacaccgg ctaaggcagg taattgcaag 120
 aaggcactcg cgaggggggac ttcaagcccc tcttctattt ctccatataa aatcaggggg 180
 atgggggaaag ctccaagggc gaggggaagca gagagtttct ctcccagcct atggaataag 240
 g 241

<210> 1038
 <211> 571
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W93396

<220>
 <221> unsure
 <222> (1)..(571)
 <223> n = a or c or g or t

<400> 1038
 tcacatattt ttgcaagccg tttattagga taccgcttaa ataattactt cttgttttta 60
 tttggctttt cttaaactatg gtcttggttag gtgagggttc ataaccacca cacaactgtc 120
 tttgttctca cgctgctgga gcggtgttta tgggcattgt gataatagct gtagtttcca 180
 acggttgtag tagctgacta gtcagtggct tcagcaacac acatttattc tcctataagc 240
 cctggaggtc agaagctccg atccagggtg tggctgggtt ccactcctcc tggaggcgct 300

```

aggggaggat ctgtgtccct cttaccattt ctaggatccg ctgcaccctc tggctcaggc 360
ctctcttcca tcttcaaagt cagcagcctc tcttccctc tgacctggc ttcctctgcc 420
cgactctgac ccttggcct tctctttaca agganctgt gatganctgg cgccancca 480
gctaattccag gggaggagaa gagaatactg agcgtcaant cgttgtaagc ttttcagaat 540
tcttgggtt tttggctct taaaacggg t 571

```

<210> 1039
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W94333

```

<400> 1039
tgaacatttc atcttttact ttttagcacc aacagacttg ataacagcct gatgctgac 60
tgacaatggg ttgatagcct tccccactg acccttaa atcttagta acaagtcct 120
tgcttctgtc atttctctgg gggatggcct actcgccctc ctttctgtac aatctgggca 180
aaccgactgg tgatggcaag agtgggtgtc atgaagcggg ctacacagct ggagagacaa 240
ttttcagtgc gagagtctag ggcattccct ggcttctcca cacatttatc ccaacataac 300
tccatgaagt gatgcacctg tgcagtaaac tgcgccttct gctgctcggc ggcca 355

```

<210> 1040
 <211> 1761
 <212> DNA
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<220>
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<220>
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| tgctgtcctg | ggtattctta | tatgaaaatg | aaataacaag | actagtaatt | taaagataaaa | 1920 |
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| aaattatcta | gaaatttcac | taacaaaggt | aaccagggaat | agataaacaa | ttaaagatca | 2040 |
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| cagttctatg | gcctaaattc | ctctcctgag | accaccata | | | |

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473

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<212> DNA

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<223> Genbank Accession No. X14008

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<223> Genbank Accession No. X54870

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X63741

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X66141

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<211> 1363

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X66358

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<400> 1087

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<400> 1088

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<211> 455

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X85373

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<210> 1102

<211> 1463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Y09022

<400> 1102

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aaaaaaaaa aaaaaaaaaa aaa                                     1463

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<210> 1103
 <211> 1890
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. Y12711

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 ctagtcaagt ggttttttaa gtaaaagtata ttcataaggt aacagttatt ctgttggtat 1620
 aaaactatac ccactgcaaa agtagtagtc aagtgtctag gtctttgata ttgctctttt 1680
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<210> 1104
 <211> 2038
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. Z11793

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 gtgactgtgg ttgctcttct tcaagccagc tgatacctgt gcatcatcga ggcattctaaa 240
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 gttaatcatc aaggaatctc ttctcgatta aaatacacac atcttaagaa taagggtttca 360
 gagcatatct ctgttttatca acaagaagaa aaccaaacag atgtctggac tcttttaaat 420
 ggaagcaaaag atgacttctt catatatgat agatgtggcc gtcttgata tcatcttggt 480
 ttgccttttt ccttcttaac tttcccatat gtagaagaag ccattaagat tgcttactgt 540
 gaaaagaaat gtggaaactg ctctctcacg actctcaaag atgaagactt ttgtaaactg 600

```

gtatcttttg ctactgtgga taaaacagtt gaaactccat cgcttcatta ccatcatgag 660
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ccaggagcac caaatgctcc tactcatcct gctcctccag gccttcatca ccaccataag 780
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aacctgacct cttttatggt taatactatt aagcaagaat gcagtacaga attggataca 1980
gtacggattt gtccaaataa attcaataaa aaccttaaaa aaaaaaaaaa aaaaaaaa 2038

```

<210> 1105

<211> 1019

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z35093

<400> 1105

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gggtggcctg gaggccaagc agatgtggca gttctgcagc agaagcatct gccacaaaag 180
cggaagatga ctccctttctt cagtgggtcc tgctcctcat cctgtgact gcctttggct 240
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agattgaggg agaagtggac ctcatgggga tggtgaggct gacagaaacc aggcagcctt 660
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```

<210> 1106

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z38266

<400> 1106

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ttattatcaa ttgtctgcag attactctca ttaagctgat ttttaaaaat ctcagacaga 120
gcagagcaat tcaccagcac catcatcaag tgagctacaa atctatcttt taccagagca 180
aggagacact taagatcaat tcaagagaat agctttcagt gttcacagaa ggggtactca 240
cattcatttg tcacatattt 260

<210> 1107
<211> 246
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z38551

<220>
<221> unsure
<222> (1)..(246)
<223> n = a or c or g or t

<400> 1107
gaaaatgctt taataagtgt tgacaacact gttttgcann ntgtaaagggt actatacaaa 60
tnccttaatac aaaaagaata aattaaagc agatttcttt ttttaattct gcaactttgt 120
ctacaacgta catctttttc attgattaca gttgaacaga atccagtaaa atcattttac 180
atgctctaca gtcagtttca ggggcancct aatctttttt cccccattat taaactagag 240
tccatt 246

<210> 1108
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z38744

<220>
<221> unsure
<222> (1)..(270)
<223> n = a or c or g or t

<400> 1108
aatctgaatt aagaataaat ttattaggaa attattagta tagttagaca gtatccagca 60
aaaaagggtta ttttatacct ctacttttcc aaaaagagga aacctcccca caaatcccat 120
caacacacag tcatgctgga aggcattctg tcttactctg ttgggtttcat gtaaatgttt 180
ggggtgactc attccgcctc ttctnttctc aagttccagg cttcttgggt agacaaaaac 240
taatacacaa tgtttagaga cacaagagac 270

<210> 1109
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z38785

<400> 1109
atccagggtg ttttatttag taaaatttta caaaagtcag ggctgacttc ttggctctgc 60
ccttcgaaga gcacagtttt ccttagcaga taactggggg aagccacggg cccaccagag 120
gctctgcag gccagtgggt cgacctctg tccacaaccg tgagggacaa aggcctgtcc 180
ttgaggctgc tgggcagggg cccaggcagt aagtgaaggc acctgcgagg ctctgaggac 240
acagcacatc tgtacacct catggtgcc tgaccacaca gcagcca 287

<210> 1110
<211> 314

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39874

<400> 1110

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gtggtcccca accttctgtg gtcccccggt ggtgctgagg cacaggctgt atggctgcag 180
tgccaagaat atttctgtcc tgacccttca tcggagaagc gtgcccacct gtgctctaga 240
ttccccatga ctgacattta gccactctcc tctgtcactc tccggggacg tgcacacacc 300
gttggcatga actg                                     314
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<210> 1111

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39904

<220>

<221> unsure

<222> (1)..(323)

<223> n = a or c or g or t

<400> 1111

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aaggaattat aaactaactt taattacttc aacaggaaga atttcaaact atgttgtaat 60
tcttatttta aagttttaat ctaattaata tattctgact aacataatca tccaaagata 120
aaagtatttg tgatggcaaa tggacagaac aatcatttag gtagcatcta ggaatattgc 180
tacaattact ttacataaat ngaaatccac gtctttatta gtaatgtnc acacatctta 240
gagtaaaaaa ttacataaga taggcttata aatatacata aatctcaaaa ttaatcacia 300
acattaggta cacaattggt ata                                     323
```

<210> 1112

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39983

<400> 1112

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catctttgta aatacgggct tttattcact gccagctcca ggatggaagg aggggggtgaa 60
tcatgcacag ccttggtcta ccctccaaca ctaggcagtg ctggacaggg gactcagaaa 120
gggaagcaga gtgggctggt gatgtctgga aagctccctc accagagtgc ccagtgggtc 180
acacagcatc atgggggatg agctggggct ggagtcggct gtatctgaca ccagacctc 240
cattcaagct cccttgatga caacgcccac aacaggggtc ggctgatgct ccgttctgcc 300
acgactcctg ctgggtgatc gtggga                                     326
```

<210> 1113

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z40012

<400> 1113

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acagtctagt gtttatttta tggtatggaa ggtacacttg aatttcaaaa atttaaaaca 60
tatataaaaa gtggttaggg actaacattt gtatcaacag ttgataaatg tctaagattg 120
```

```

tttattatac agcagggtac aatggtagtg ctaatgccaa cagggcacca tgggaagttag 180
tctaaaaatt atcgctaggc tttatacaag caacaacata tgctgctgct cttagaattt 240
tgggaaatga tctgcttcta atactaagca gttctttaac atttttaaatt gttatacagt 300
gttacagtat ttagtttggc aaatgtttca aa 332

```

```

<210> 1114
<211> 254
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. Z40186

```

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<220>
<221> unsure
<222> (1)..(254)
<223> n = a or c or g or t

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<400> 1114
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gtagttgggc actgcatgaa aaatgaagtt tacatagttt atattatgta cataaactag 120
tgattttacat tgattttacac atgattggng cctaatttat taatcagcac gcagcatgta 180
aatgtgctca aaagaaatca aggttttaaaa taagttttcc ataataattca taaacatttt 240
cgctgggtgta aatg 254

```

```

<210> 1115
<211> 327
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. Z40332

```

```

<220>
<221> unsure
<222> (1)..(327)
<223> n = a or c or g or t

```

```

<400> 1115
atcttcttca ctggacttat aaatagcctt agttataaca ccttcaagtt cttttaccag 60
cttcgtaaac tcatgatcaa atatcatgta ttctggactg ggaaagtttg gctgggggtt 120
ctgagatgct ctggaataca actcatgttt gctaataaat cctagtttct ctatgaaatt 180
ctctttgcc aatcctcttct caatcagttg ttttagcttc tctttcatgt agctctcaag 240
tgagtnatca ttgaaataaa tcgaaatgcc caacaaaagg gcacataagg cttggaccaa 300
ctgctcttct tctccaagat tttctgc 327

```

```

<210> 1116
<211> 346
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. Z40556

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<220>
<221> unsure
<222> (1)..(346)
<223> n = a or c or g or t

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<400> 1116
gagaatacaa gaacctttta ttttccatcc agttgggcag cagggaaagg ctaggtgggc 60
ccagcctgcc cttccttctt ccagctggct ggatttatta tnagccagga gaaagcagcc 120

```

ctggaaccca gactctgtct ccccttgag gtcacagatg ttgaagttgg aatctcgctc 180
 cttccccctga ctaccatcct aggctgggcc tcaagactag tgaggcctgt cccaccatc 240
 cctggccttg ttgtggggct caggaaactca gagtccaggt gttgagtctg ggagcactag 300
 gtcttcatag ttccaggccc agagctacag ctgggctggg agcatg 346

<210> 1117
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. Z40715

<400> 1117
 aaaattcctt attttatttc aaaaaatgta ggggtgggga agtaacatga taaacattac 60
 gatcagctcc ctatgggttc attctgcctc tgcgggggtc gggggcatac agtagctggg 120
 gggcatgccca ttgccatggc aaccagatg cttagatgca ggccctcctt ggctgcttag 180
 agctgggggg actaggcgcc ctccccgaaa gccccattc tgagttgttg gtgcctgcc 240
 ttcccttgaa tctaagaact gattagtggg ttagactgca acagcagctc ag 292

<210> 1118
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. Z40898

<400> 1118
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 tgctacacgg gttatgcttg gactctgact cccagcagca ggtagattca ggaattcatg 180
 gcagtgacat tcaccatcat gggaaacacc ttcccttttc ttcaggattc tctgtagtgg 240
 aagagagcac ccagtgttgg gctgaaaaca 270

<210> 1119
 <211> 333
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. Z41642

<220>
 <221> unsure
 <222> (1)..(333)
 <223> n = a or c or g or t

<400> 1119
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 gagaaagggg atgaaactga aggaaccagg actctggagg atgcaggatg ctgtttctct 120
 ggatgagatg tactctgccca ctgtntctctc tgggcacttt cagatgatgg ggtctgagat 180
 gtgtcctcag gctgcatcag ctgtcttcag tctccagaac agaaagagcc tgaccagggg 240
 gcattcttggg ggccaccaga accaggtttc tgggagagag ttcaggactg aagatgggca 300
 ggagctcagc atggaaacct gggagaaaagg gcc 333

<210> 1120
 <211> 324
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. Z41763

<400> 1120

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caacacgcct gaagtgatgt ttaattaatg atgataatgg acgggggattt gagaaatctt 60
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